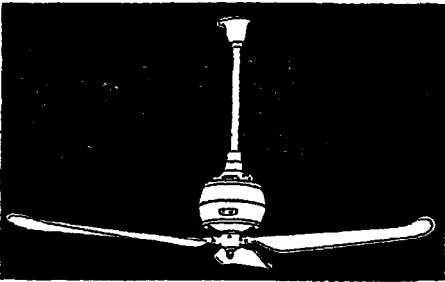


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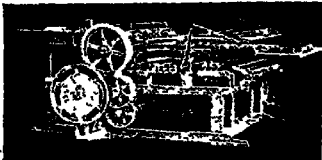


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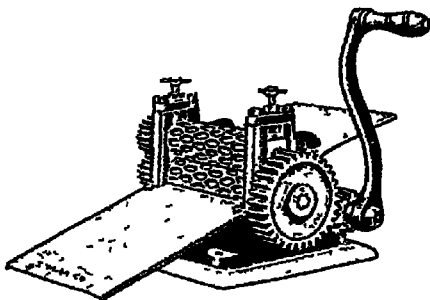
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In presenting the tenth (1938) issue of the **INDUSTRY YEAR BOOK AND DIRECTORY**, the publishers have the highest pleasure to announce that additions and revisions have been effected in this edition on a wider scale than it had been possible during the past few years, and diverse improvements have been made to render the volume more comprehensive and of practical usefulness.

With this end in view a mass of up-to-date information bearing on trade, commerce and markets of India, Burma and Nepal has been gathered and collated and the latest statistical figures regarding production of agricultural crops, minerals, trades and industries have been included to render the volume a serviceable book of reference to businessmen, journalists, statesmen and students of economics alike.

The Market Places of India Section has been thoroughly revised and rewritten. Our best thanks are due to the various Departments of the Provincial Governments and of the Indian States and of Nepal which have placed before us important commercial facts and figures relating to their territories along with lists of agricultural and cattle fairs. The latter have been inserted for facility of trade under the districts or the States which they belong to.

The Directory Section has also been thoroughly revised and enlarged. A large number of new addresses secured through the courtesy of the various Chambers of Commerce and Trade Associations have been incorporated. Subsequent upon the separation of Burma from India it has been found convenient to publish a separate Trade Directory for Burma. A new addition under the Section is the Trade Directory of Nepal, which is expected to promote the trade relations between the two neighbouring countries, which has been so long neglected.

Other additions to the volume are: A summary of the provisions under the Indian Insurance Bill; explanation of terms used in connection with trade in skin and dyes; a concise statement of the Indo-Japanese, Indo-South-Africa and Indo-British Trade Agreements; a broad view of the Central and Railway Budget; a brief account of the Indo-Burma Trade and Foreign Trade of India in 1937, latest particulars about the Chambers of Commerce and Trade Associations, etc.

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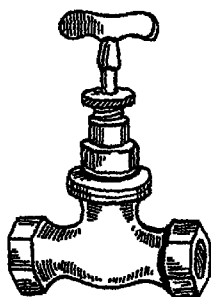
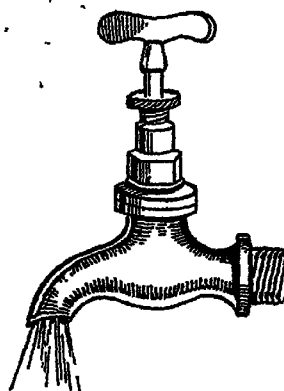
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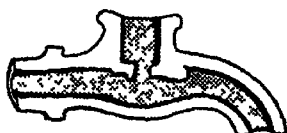
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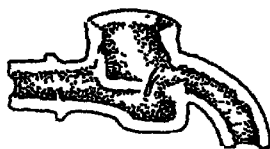
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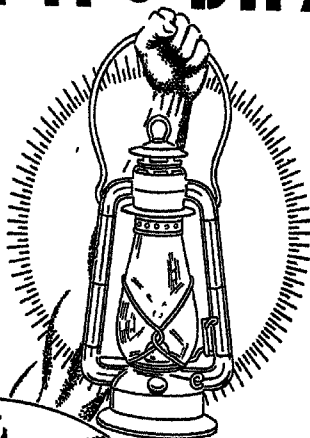
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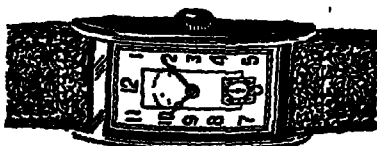
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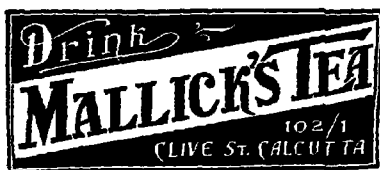
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| £ 5 " " " " | — | 1 | 0 |

for each complete sum of £5 and Re 1 for the remainder provided that if the remainder does not exceed £1, the charges for it shall be As 4 if it does not exceed £2, the charge for it shall be As 7; if it does not exceed £3, the charge for it shall be As 10, and if it does not exceed £4, the charge for it shall be As 13

TELEGRAPHIC MONEY ORDERS.

Telegraphic Money Orders expressed in Sterling may be exchanged with the United Kingdom. The amount of a single Indo-United Kingdom Telegraphic M O may not exceed £40 or include any fraction of a penny. The fee of T M. O is Money Order commission plus cost of telegraphic advice according to the rate for private message to the United Kingdom.

TELEGRAPHIC INFORMATION.

INLAND TELEGRAMS.

There are two classes of Telegrams—Express and Ordinary—and the following are the rates of charge between any two offices in India or Burma

| | Unit No of words | Express | Ordinary. | Each additional word. |
|-----------------------|---------------------|---------|-----------|--------------------------|
| For delivery in India | 3 | 1 2 | 0 9 | 0 2 |
| " " in Burma | 3 | 2 4 | 1 2 | 0 4 |
| " " in Ceylon | 12 | 2 0 | 1 0 | 0 3 |

Address charges extra.

For full process of manufacture of phenyle, read **DISINFECTANTS & ANTISEPTICS.** Industry Book Dept., Calcutta. Price Re. 1/8.

Multiple Address Telegrams—A telegram will be delivered at two or more addresses in the same free delivery area on prepayment of the ordinary telegram charges for the total number of words in the addresses and text in addition to a charge of 4 annas for every copy beyond the first. If the message contains more than 100 chargeable words a copying fee of 4 annas per 100 words, plus 4 annas for the excess, is charged for each additional copy. In the case of multiple state telegram addressed to more than one station, a surcharge of two annas or one anna according to the class of the telegram is levied on each address in the telegram.

FOREIGN TELEGRAMS

From any office in India or Burma to countries of Europe, except Russia and Turkey, per word including address

| | Rs | As | P |
|---|----|----|-------|
| via Indo or Eastern | — | — | 1 4 0 |
| Deferred Foreign private telegrams in plain language are accepted at half rates | | | |

INLAND PRESS TELEGRAMS

| | | | |
|-----------------------------|---|---|-------|
| Express—For first 40 words | — | — | 1 0 0 |
| Each additional 5 words | — | — | 0 2 0 |
| Ordinary—For first 40 words | — | — | 0 8 0 |
| Each additional 5 words | — | — | 1 0 0 |

The copying fee should be charged at the rate of 5 annas for the first 100 words, and one anna for each additional 20 words in respect of every address after the first.

FOREIGN PRESS TELEGRAMS

From any office in India or Burma to United Kingdom via Indo or Eastern, per word

— 0 4 0

CEYLON PRESS TELEGRAMS

From Station in India or Burma—

| | | | |
|-----------------------------|---|---|-------|
| First 32 words | — | — | 1 0 0 |
| Each additional 4 words | — | — | 0 2 0 |
| The address is allowed free | | | |

FOREIGN TELEGRAMS

| | Ordinary | | | Code * | Deferred | | | Daily Letters | | |
|-----------------------------|----------|----|---|---------|----------|----|---|---------------|----------------------|--|
| | Rs | As | P | Rs As P | Rs | As | P | For 25 words | Each additional word | |
| | | | | | | | | Rs As P | Rs As P | |
| Great Britain and N Ireland | 0 14 | 0 | | 0 2 6 | 0 7 0 | | | 7 13 0 | 0 5 0 | |
| France | 1 2 | 0 | | 0 11 6 | 0 9 6 | | | 10 2 6 | 0 6 6 | |
| Germany | 1 4 | 0 | | 0 12 0 | 0 10 0 | | | 10 15 0 | 0 7 0 | |
| Italy | 1 5 | 0 | | 0 13 0 | 0 10 6 | | | — | — | |
| Kenya | 1 8 | 0 | | 0 14 6 | 0 12 0 | | | 12 8 0 | 0 8 0 | |
| Union of S Africa | 1 15 | 0 | | 1 3 0 | 0 15 6 | | | 16 6 6 | 0 10 6 | |
| U S A | 1 11 | 0 | | 1 0 6 | 0 13 6 | | | 14 1 0 | 0 9 0 | |
| Canada | 2 3 | 0 | | 1 5 0 | 1 1 6 | | | 18 12 0 | 0 12 0 | |
| Australia | 2 4 | 0 | | 1 6 0 | 1 2 0 | | | 18 12 0 | 0 12 0 | |
| Japan | 2 3 | 0 | | 1 5 0 | 1 1 6 | | | 18 12 0 | 0 12 0 | |
| Nova Scotia | 1 11 | 0 | | 1 0 6 | 0 13 6 | | | 14 1 0 | 0 9 0 | |
| Irish Free State | 1 0 | 0 | | 0 10 0 | 0 8 0 | | | 8 9 6 | 0 5 6 | |

* Minimum charge as for 5 words.

Urgent telegrams are accepted at double the ordinary rate

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CHARGES FOR RADIO-TELEGRAMS.

Charges for Radio-telegrams from telegraph offices in India for transmission to ships at sea through the Coast stations in India

| | Per word | |
|---|--------------------|----------------|
| | Ordinary, Rs As | Code. Rs As |
| (1) All Government or Private Radio-telegrams excepting those mentioned in (2) and (3) below | 0 13 | 0 8 |
| (2) Radio-telegrams to His Britannic Majesty's Ships of War or Ships of the Royal Indian Navy | 0 8 | 0 5 |
| (3) Radio-telegrams to Spanish or Swedish Ships | 0 12 | 0 7½ |

TELEGRAMS BY AIR MAIL.

Inland telegrams are accepted at all Government telegraph Offices in India and Burma for transmission by telegraph to (1) Karachi to be posted thence as air mail letters for Persia, Iraq, Palestine, Egypt, Great Britain and other countries in Europe, U S A and Canada and (2) Calcutta or Rangoon, as may be advantageous to be posted thence as air mail letters for Siam, Malay, Straits Settlements, French Indo-China and the Dutch East Indies as well as China, Japan, Philippine Islands and Sarawak. The charges payable on such telegrams are calculated at the Indian inland rates (according to the class Express or Ordinary at sender's choice) plus the air mail fee in addition to the usual letter postage for all mail services. If a message is to be registered before being posted, the sender will also have to pay the registration charges

TELEPHONE SECTION.

TELEPHONE RATES.

Connections to Government Telephone Exchanges.

(a) For all exchanges excepting those specified in (b) below —

| Radial distance from Exchange | Rates payable in advance. | | |
|----------------------------------|---------------------------|----------------------|--------|
| | Monthly. | | Annual |
| | With discount. | Without discount. | |
| | Rs. | Rs | Rs |
| Within one mile | — 16 | 18 | 168 |
| Within two miles | — 17 | 19 | 180 |
| Within three miles | — 18 | 20 | 192 |

(b) For the following Exchanges.—

Delhi, Simla, Mashobra, Rawalpindi, Lahore, Lahore Cantonment, Amritsar, Peshawar, Ghaziabad, Bombay (Government), Poona, Ahmedabad (Government), Drigh Road, Quetta, Nagpur, Cawnpore, Lucknow, Patna, Dinapore, Gulzarbagh, Loyabad, Simidih, Jharia, Calcutta—Regent, Storeyard, Barrackpore, Calcutta West

| Radial distance from Exchange | Rates payable in advance | | |
|----------------------------------|--------------------------|----------------------|---------|
| | Monthly | | Annual. |
| | With discount | Without discount. | |
| | Rs. | Rs | Rs |
| Within three miles | 18 | 20 | 192 |

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(c) The following special rate, provided the connection is within half a mile of the exchange, is applicable only to exchanges which are not connected to the Telephone Trunk System

| Radial distance from Exchange | Rates payable in advance | | |
|----------------------------------|--------------------------|---------------------|--------|
| | Monthly. | | Annual |
| | With discount | Without discount | |
| | Rs | Rs | Rs |
| Within half a mile | 15 | 17 | 156 |

(d) For lines in excess of three miles special rates based on the capital cost will ordinarily be quoted

EXTENSION TELEPHONES.

Extensions can be given from the telephone with extra internal wiring and switches with bells and plugs at additional rates. Particulars can be ascertained from the Divisional Engineer, Telegraphs, or from the local Government Telephone Exchange

TRUNK TELEPHONES

Most of the important places in India are now connected to the Trunk Telephone System. Charges for Trunk Calls are very moderate. For particulars of rates and other details consult any Government telephone directory or enquire from the local Government telephone exchange

NOTE—Half rate trunk calls are allowed daily between the hours of 8 P.M. and 8 A.M. and on Sundays

AIR MAIL SERVICES.

GENERAL RULES.

Air Mail Stamps.—Air mail stamps of the denominations of 3, 5 and 12 annas are available at important post offices for sale to the public

Air Mail Envelopes.—Air mail envelopes (commercial size), with the 8 annas air mail stamp and blue air mail label printed on them and a half anna stamp affixed on each, are also available at important post offices and are sold at Rs 4-5 0 a packet of 8 such envelopes and annas 8 and pice 9 for each single envelope

Air Mail Postcards.—Air mail postcards for foreign correspondence with an air mail stamp of 4 anna denomination and a blue air mail label printed thereon are available at all important post offices for sale to the public at the face value

AIR MAIL PARCELS.

Air mail parcels for despatch by air from Karachi are accepted at such post offices in India as accept foreign parcels for despatch for any post office in Great Britain and Northern Ireland. Air mail parcels for any other country or inland parcels for delivery in India are not accepted

The limits of weight and other conditions applicable to parcels by the ordinary route will apply to air mail parcels as well, except that the charges shall be on a half pound scale at the rates noted below which include the postage and air fee—

| | Rs | As | P |
|---|----|----|-------|
| For the first half pound | — | — | 3 2 0 |
| For every additional half pound or fraction thereof upto a weight not exceeding 11 lbs. — | — | 1 | 14 0 |

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Rs As. P

For every additional half pound or fraction thereof
above 11 lbs upto a maximum of 20 lbs — 1 8 0
Insurance is not available

Each parcel must bear on the left-hand top corner of the address side a blue air mail label obtainable free of charge at any post office and must be clearly and conspicuously superscribed in ink above or below the blue with the words "Karachi-Croydon," as parcels are not carried by Indian internal air services

INDIAN INTERNAL AIR SERVICES.

The following internal air mail services are operated in connection with the Imperial Airways' air mail service

(1) Indian Trans-Continental Airways, from Rangoon, via Akyab, Calcutta, Allahabad, Cawnpore, Delhi, Jodhpur to Karachi

(2) Tata Sons, Ltd.—From Madras via Bellary, Bombay (or Poona), Ahmedabad to Karachi.

(3) Indian National Airways—Services from Calcutta via Chittagong, Akyab, Bassein to Rangoon

Inland Articles.—Inland articles, both registered and unregistered (but not insured articles or parcels), are accepted for transmission by air between any air station on Indian internal air services mentioned above, Gwadur and Bahrein subject to the existing conditions applicable to inland articles. No superscription regarding the route is necessary on inland articles. A blue air mail label (obtainable free of charge at the post office) should be affixed to the article on the left-hand top corner of the address side

AIR MAIL MONEY ORDERS.

Air mail money orders for transmission by the Indian internal air services or by the Indian section of the Indian Trans-Continental Airways' service or by the Imperial Airways' air service between Karachi and Bahrein or by any combination of the above-mentioned air services are accepted at such Indian post offices as accept ordinary inland money orders. The limits of value and other conditions relating to ordinary inland money orders apply in the case of the Air mail money orders. The remitter should write the words "By Air Mail" across the money order form and pay, in addition to the usual money order commission, the Air Mail fee of one anna for each money order irrespective of the amount.

Ordinary sterling money orders can be sent by air mail to Iraq, Egypt and Great Britain and Northern Ireland and rupee money orders to Federated Malay States and Straits Settlements and to Sarawak. The original money orders, in the case of countries in the West, will, like those despatched by the sea route, have to be sent to Bombay. The remitter should write the words "By Air Mail" across the money order form, and pay, in addition to the usual money order commission, the air mail fee of annas 2 for each money order irrespective of its amount.

FOREIGN SERVICES FROM INDIA.

The most expeditious route for each country in Europe is given below:—

| Air Route. | Country of Destination. |
|-----------------------|----------------------------------|
| India-Greece (Athens) | Greece, Albania, Czechoslovakia, |
| | Jugoslavia, Hungary, Austria, |
| | Bulgaria, Roumania and Turkey |
| | in Europe |

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Air Route
India-Italy (Brindisi)

India-France (Paris)

India-England (Croydon).

Country of Destination
Italy and Sicily, Malta, Switzerland, Germany, Luxembourg, Holland, Denmark, Norway, Sweden, Estonia, Russia, Poland, Danzig, Southern France, Spain, Portugal, Lettonia and Lithuania
Northern France, Belgium and Finland.
Great Britain and Northern Ireland, Irish Free State

The superscription on articles for those countries should be according to the Air route to be followed, as given above. The air port at which the mails will be discharged is indicated in brackets

FAR EAST AIR MAIL SERVICES.

Correspondence, both registered and unregistered, for Siam, the Malay States, French Colonies in Indo-China, the Straits Settlements and the Dutch East Indies, Hongkong and China, Japan, Philippine Islands and Sarawak, are accepted for transmission by air

The route should be superscribed prominently as indicated below from India or Burma:—

Air Route
India-Siam.
India-Malaya

Country of Destination
Siam
Malay States and Straits Settlements, Japan, Philippine Islands and Sarawak
Dutch East-Indies
French Indo China, Hongkong and China

India-Dutch East Indies
India-Indo-China

AIR SERVICE TO SOUTH AFRICA.

Correspondence for (1) Uganda, (2) Kenya, Tanganyika Territory and Zanzibar, (3) Belgian Congo, Rhodesia (Northern and Southern), and Portuguese East Africa and (4) the Union of the South Africa are accepted for despatch by air from any aerodrome in India. The subscriptions should be as follows:—(1) For Uganda—"India-Uganda," (2) For Kenya and Zanzibar—"India-Kenya," (3) For Tanganyika territory—"India-Tanganyika," (4) For Belgian Congo, Rhodesia and Portuguese East Africa—"India-Rhodesia," (5) For Union of South Africa—"India-South Africa."

The superscription, in the case of articles intended for despatch by Air from Karachi should be "Karachi-Kenya and Uganda," or "Karachi-Rhodesia," etc, as the case may be, while those despatched from Delhi, Jodhpur or Hyderabad (Sind), should be superscribed "India-Kenya Uganda," or "India Rhodesia," etc, according to destination

PERTH-ADELAIDE AIR SERVICE

This is a weekly Air Mail service between Perth and Adelaide. Mails from India for transmission by Air from Perth to Adelaide and bearing the superscription "Perth-Adelaide" are closed at Dhanushkodi on Friday to connect with the P & O or Orient Line steamer leaving Colombo each week. The air mail is due to leave Perth (Western Australia) shortly after the arrival of the alternate P & O and Orient Line mail services from Europe at Fremantle

The Air fee which must be prepaid in full is 3 annas per article per half ounce. Air mail postcards, or other postcards bearing postage stamps to the value of 4 annas representing the postage and the air

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fee, are accepted as fully prepaid for transmission by the Perth Adelaide Air service

AIR MAIL FEES AND POSTAGE.

Inland Articles.

Air Fee

For a postcard.....9 pies.

For a letter or packet.....One anna for a weight not exceeding half a tola, two annas for a weight exceeding half a tola but not exceeding one tola and two annas for each succeeding one tola or part thereof

The above air fees are payable in addition to ordinary postage and the registration fee in the case of a registered article.

Foreign Articles.

Air Fee

Postcard to Great Britain and countries mentioned on p 45

NIL

Letters to Great Britain and countries mentioned on p 45

NIL

Postcard to other places, excepting S. American countries

2 annas

The air fee on foreign letters and packets per 1 oz follows.—

| | | | |
|-------------------------|----|-----|--------------|
| India-Iraq | 4 | as. | plus postage |
| India-Palestine | 4 | as. | " |
| India-Egypt | 4 | as. | " |
| India-Irish Free State | 6 | as. | " |
| India-Greece | 6 | as. | " |
| India-Greece-Germany | 8 | as. | " |
| India-Italy | 6 | as. | " |
| India-France | 6 | as. | " |
| India-England | 6 | as. | " |
| India-Uganda | 7½ | as. | " |
| India-Kenya | 7 | as. | " |
| India-Tanganyika | 7 | as. | " |
| India-Rhodesia | 8 | as. | " |
| India-South Africa | 9 | as. | " |
| India-Australia | 8½ | as. | " |
| India-Burma | 2 | as. | " |
| India-Siam | 3 | as. | " |
| India-Malaya | 4 | as. | " |
| India-Indo-China | 4 | as. | " |
| India-Dutch East Indies | 6 | as. | " |
| India-Iran | 3 | as. | " |
| Perth-Adelaide Service | 3 | as. | " |
| India-Sudan | 5 | as. | " |

In addition to the ordinary foreign postage to destination and registration fee in the case of registered articles

Registration fee is 3 annas per article irrespective of destination.

Money Order:

2 annas per order in addition to ordinary commission for Egypt, Great Britain, and Northern Ireland and a few other countries.

Telegrams by Air Mail.

The charges payable on such telegrams and calculated at the Indian inland rates plus the air mail fee in addition to the usual letter postage. The registration charges are to be paid extra

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RAILWAY INFORMATION.

RAILWAY development in India dates back to 1853 when the Great Indian Peninsula Railway constructed their first line extending from Bombay to Kalyan. Since then the mileage of Indian railways has recorded steady increases till this now stands at about 43,118 miles, of which 31,783 miles were under State Management.

One of the special features of the Indian Railway system is the diversity of conditions that prevails in the relation of the State to the various lines in respect of ownership and control. Of the important lines situated in British India or in which the Government of India is interested five (the Northern Western, Eastern Bengal, East Indian (with which has been amalgamated the Oudh and Rohilkhand Railway from the 1st July 1935), Great Indian Peninsula and Burma Railways) are owned and worked by the State, five (the Bombay, Baroda and Central India, Madras and Southern Mahratta, Assam Bengal, Bengal Nagpur, and South Indian) are owned by the State but worked on its behalf by Companies enjoying a guarantee of interest from the Government, two important lines (the Bengal and North Western, and Rohilkhand and Kumaon) and many of less importance are the property of private companies, some being worked by the owning companies, and some by the State or by the companies that work State owned systems. Several minor lines are the property of District Boards or enjoy a guarantee of interest granted by such Boards.

Railway Finance—Under the separation convention, come into effect since 1925-26, the Railways in India are liable to make a contribution to general revenues which amounts on the average to a net payment of Rs. 6 crores a year. Of the thirteen years that have elapsed since the separation of railway revenues from the general revenues of India, the first six were prosperous years. After paying interest charges, and putting by a net sum of Rs 12 crores in the Depreciation Fund after meeting such of the expenditure on renewals and replacements as is chargeable under rules, to the Fund, the total surpluses amounted to Rs 52½ crores. During the next five years, the position was very different. There were successive deficits of Rs 5 19, Rs 9 20, Rs 10 23, Rs 7 96 crores, Rs 5 06 crores and Rs 3 99 crores during the years ending 1935-36. During 1936-37, there was a surplus of about 1½ crores. During the period of prosperity, Railways met all their liabilities, and even in 1930-31, the first year of depression, they contributed 5½ crores to general revenues. This contribution was, however, met from accumulations in the Railways Reserve Fund. In all, during this period, after meeting all their liabilities, Railways contributed 42 crores to general revenues. After 1930-31, Railways have made no contribution to general revenues, and have only been able to meet working expenses and interest charges by borrowings from the depreciation reserve fund. The total amount borrowed from this fund up to the end of 1935-36 was 31½ crores, and the actual balance in that fund had been reduced at the end of that year to 5½ crores. During 1936-37 Rs 121 lakhs was paid back to the Depreciation Fund. It should be noted, however, that since the contribution to general revenues has ceased,

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Railways have taken over the responsibility for loss on strategic lines—about 2 crores per annum.

The financial position of the State-owned Railways is as follows—

| | Net | Working | Depre- | Interest | Surplus | Contri- | Trans- |
|---------|----------|----------|-----------------------|----------|---------|------------|-----------|
| | Receipts | Expenses | ciation | Charges | or | bution | ferred to |
| | | | Fund | | Deficit | to General | Rly |
| | | | | | | Revenue | Reserve |
| | | | (in lakhs of Rupees). | | | | |
| 1925-26 | 98.94 | 52.99 | 10.67 | 24.81 | 9.28 | 5.49 | 79 |
| 1926-27 | 98.42 | 52.89 | 10.89 | 25.87 | 7.50 | 6.01 | 1.49 |
| 1927-28 | 103.43 | 53.06 | 11.38 | 27.77 | 10.85 | 6.28 | 4.57 |
| 1928-29 | 103.73 | 54.22 | 12.00 | 29.33 | 7.81 | 5.23 | 2.58 |
| 1929-30 | 102.70 | 55.59 | 12.59 | 30.46 | 4.04 | 6.12 | -2.08 |
| 1930-31 | 95.10 | 54.39 | 13.07 | 32.72 | -5.19 | 5.74 | -10.93 |
| 1931-32 | 86.63 | 49.81 | 13.46 | 33.07 | -9.20 | Nil | -4.95 |
| 1932-33 | 84.43 | 49.08 | 13.77 | 32.91 | -10.23 | Nil | Nil |
| 1933-34 | 86.63 | 49.50 | 13.56 | 32.58 | -7.96 | Nil | Nil |
| 1934-35 | 90.20 | 50.37 | 13.72 | 31.80 | -5.06 | Nil | Nil |
| 1935-36 | 90.65 | 50.87 | 13.25 | 31.39 | -3.99 | Nil | Nil |
| 1936-37 | 95.50 | 50.25 | 13.15 | 30.81 | 1.21 | Nil | Nil |

At the end of 1936-37, the unliquidated liabilities of railways amounted to Rs. 61 crores, of which Rs 30½ Crores is the amount borrowed from the depreciation fund. The balance of Rs 30½ crores represents the contributions due to general revenues but unpaid from 1931-32 to 1936-37.

Railway Profits.—It is interesting to notice that during the last 13 years, of which the first six were prosperous, the State has received large profits from 7 railways, namely, Rs 19½ crores from the East Indian Railway, Rs 18½ crores from the Bombay, Baroda and Central India Railway, about Rs 6½ crores from the South Indian Railway, Rs 6 crores from the Bengal and North-Western Railway (Trihoort), Rs 5 crores from the Madras and Southern Mahratta Railway, Rs 1½ crores from the North-Western Railway Commercial Lines and about Rs 1 crore from the Lucknow-Bareilly. On the other hand, it had to bear losses on 6 railways. The largest is about 24½ crores on the strategic section of the North Western Railway, and the next largest Rs 16½ crores on the Bengal Nagpur Railway. On the Assam Bengal Railway the loss amounts to Rs 5½ crores. The Eastern Bengal, Burma and Great Indian Peninsula Railways are responsible for losses of Rs 5, Rs 2 and Rs 1½ crores respectively.

Capital.—The total capital at charge at the end of March, 1937 on all railways including those under construction amounted to Rs 880 13 crores of which Rs 789 03 crores pertaining to State-owned railways inclusive of premia paid in the purchase of companies lines. The balance of 91 10 crores represented capital raised by Indian States, Companies and District Boards.

Works Expenses.—The total works expenditure during the year amounted to Rs 8½ crores of which Rs. 28 lakhs was charged to capital and the balance to the Depreciation Fund. Practically the whole of the expenditure of Rs. 28 lakhs was on open line works, only a nominal amount of Rs 20,000 being spent on New Construction. Stores balances during 1936-37 were reduced by Rs 20 lakhs and the balance at end of the year was reduced to Rs. 920 lakhs.

The gauges of the Indian railways may be chiefly classified under three heads—Standard (5 ft 6 in.) gauge, Metre (3 ft. 3½ in.) gauge; and Narrow (2 ft. 6 in. and 2 ft.) gauge.

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Mileage.—The mileage open to the Indian Railways on March 31, 1936 was 42,118 miles as against 42,021 on March 31, 1935 and 42,815 miles on March 31, 1932

Railway Earnings.—The earnings of State-owned lines increased from Rs 90½ crores in 1935-36 to Rs 95½ crores in 1936-37 representing an increase of about Rs 4½ crores

Number of passengers carried during 1936-37 3rd class 493,335,000, Inter class 11,085,000, 2nd class 4,590,000, 1st class 409,000, total 5,09,319,000 Passenger mile (number of passengers multiplied by miles over which they moved) was 17,436,677,000 in 1936-37 as compared with 17,353,294,000 in 1935-36 Earnings dropped from Rs 31 crores in 1935-36 to Rs 30½ crores in 1936-37 Net ton miles covered during 1936-37 were 20,701,298,000, showing an increase of 4.69 per cent over the figures in the previous year Goods earnings also increased due to revival of trade in cotton, wheat, jute, sugarcane, etc

State Railways Earnings.—The earnings of State-owned lines increased from Rs 90.65 crores in 1935-36 to Rs 95.50 crores in 1936-37 The following figures show the gross earnings of the principal State-owned Railways during the year 1936-37 as compared with the corresponding periods of the four preceding years —

| | 1932-33 | 1933-34 | 1934-35 | 1935-36 | 1936-37 |
|-------------------|----------------|--------------|----------------------|--------------|--------------|
| | | | (in lakhs of rupees) | | |
| A B Ry | — 1.57 | 1.61 | 1.79 | 1.59 | 1.69 |
| B N Ry | — 6.90 | 7.50 | 8.06 | 8.62 | 8.29 |
| B B. & C I Ry | — 10.22 | 10.67 | 11.04 | 11.18 | 11.94 |
| Burma Ry | — 3.31 | 3.57 | 3.72 | 3.61 | 3.71 |
| E B Ry | — 4.80 | 5.08 | 5.42 | 5.26 | 5.72 |
| E I Ry | — 17.29 | 17.78 | 18.65 | 18.62 | 19.37 |
| G I P Ry | — 11.95 | 12.22 | 12.14 | 12.50 | 12.22 |
| M & S M Ry | — 6.65 | 6.88 | 6.70 | 6.55 | 6.72 |
| *N W. Ry | — 13.96 | 14.52 | 15.03 | 15.53 | 16.97 |
| S I Ry | — 5.29 | 5.14 | 5.26 | 4.99 | 5.12 |
| Tirhoot & Lucknow | | | | | |
| Bareilly Ry. | — 1.82 | 1.77 | 1.87 | 1.94 | 2.06 |
| Other Railways | — — | 40 | 45 | 46 | 51 |
| TOTAL | — 90.16 | 90.27 | 90.16 | 90.87 | 95.35 |

Wagons Loaded.—The following shows the number of wagons loaded in respect of the following commodities on the broad and metre gauges of the Class I Railways —

| | 1932-33 | 1933-34 | 1934-35 | 1935-36 | 1936-37 |
|--------------------|-------------|-----------|-----------------------|-----------|-----------|
| | | | (No of Wagons Loaded) | | |
| Coal and Coke | — 896,522 | 954,501 | 1,064,171 | 1,040,994 | 1,052,662 |
| Grains and Pulses | — 721,075 | 784,084 | 808,153 | 747,087 | 802,132 |
| Oilseeds | — 199,382 | 254,617 | 226,022 | 207,534 | 265,018 |
| Cotton | — 138,727 | 171,214 | 178,159 | 183,145 | 210,279 |
| Miscellaneous | | | | | |
| Small | — 1,502,483 | 1,599,593 | 1,623,467 | 1,694,422 | 1,781,413 |
| Miscellaneous Full | | | | | |
| Wagons | — 2,178,099 | 2,404,523 | 2,576,130 | 2,705,532 | 2,765,579 |

*The earnings of the Southern Punjab Railway Company's lines acquired by the State on 1st January, 1930 have been included in the N W Ry's figures for 1930-31 and 1931-32

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The total number loaded was 4,443,712 which was an increase of 146,447 or 3.41 per cent. over the previous year.

Recent Railway Facilities.—During 1936-37 cheap fares were introduced to stimulate traffic particularly in competitive areas, and special reductions in freight rates were made for parcels and goods traffic. The arrangements for booking traffic were improved by the organisation of street collection and delivery of parcels and goods in some of the larger towns, by the opening of additional out-agencies and the issue of rail-cum-road tickets "Travel as you like" Season Tickets were introduced by certain Railways Air-conditioned coaches were run on trial on Bombay-Calcutta Mail.

Railway Rates Advisory Committee.—The committee has been constituted to investigate and make recommendation on (3) complaints of undue preference, (b) complaints about unreasonableness of rates, (c) complaints of disputes about terminals, (d) complaints about dearth of seasonable facilities Headquarters of the Committee—Calcutta.

RAILWAY SYSTEM IN INDIA.

Indian Railways are grouped under 3 classes:—

CLASS I—The Indian railways with annual earnings exceeding Rs. 50 lakhs of rupees belong to Class I. A list of the Class I railways and the tracts these traverse follow —

Assam-Bengal Railway.—It is wholly metre gauge. This serves mainly the province of Assam and a part of Eastern Bengal. The main line runs from Tinsukia Junction to Chittagong. There are a number of feeder lines to serve Silchar, Gauhati, Jorhat, Noakhali and Mymensingh areas and also the interior of Chittagong district. It connects with East Bengal Railway at Mymensingh, Pandu and Tangi, with J P Railway at Mariani and Titabar and with D S Railway at Tinsukia.

Figures of working of the system during 1936-37.—Route mileage 1,306.41, Number of passengers carried 11,989,692. Tonnage of goods carried 1,583,058; Freight earnings—(a) Coaching Rs. 7,141,069; (b) Goods Rs. 10,151,742, Gross earnings Rs. 18,097,557, New lines opened Nil, Stores purchased in India Rs. 3,866,000. Working expenses Rs. 15,756,601.

Head Office —Chittagong.

Bengal-Nagpur Railway.—It traverses tracts with rich deposits of minerals and operates about 3,500 miles of line. One main branch of the Railway runs from Howrah to Nagpur, where it joins the G. I. P. lines, thus serving the eastern half of the Central Provinces, Bihar and Orissa, Western Bengal, etc. Another main branch of the Railway proceeds up to Waltair in the Madras Presidency, branching off at Kharagpur. A secondary main line runs to the Bengal Coalfields connecting with the East Indian Railway at Asansol, Gomoh, Barkakhana and Chandrapura. Among the branch lines, mention may be made of Purulia-Lohardaga, Sini-Asansol, Kanhan-Ramtek, Amda-Gua, Jharsuguda-Sambalpur, Katni-Bilaspur, Anuppur-Chirmiri, Abhanpur-Rayni, Raipur-Dhamtari, Raipur-Vizianagram, Adra-Gomoh, Gondia-Chanda-Nagpur-Itwari-Chhindwara, Tumsar-Tirodi, Khurda Road-Puri, Cuttack-Talcher, Mayurbhanj and Parlakimedi Light Ry., etc. The most important junctions with the E. I. Ry. are: Howrah, Asansol, Gomoh and Barkakhana; with the G. I. P. Ry. are Nagpur, Itwari, Karni and Jubulpore, with the M. & S. M. Ry. is: Waltair.

Areas served are different parts of Bengal, Bihar and Orissa, Madras and the Central Provinces.

Fertilisers & their application a useful handbook for all amateur gardeners. Industry Book Dept., Shambazar, Calcutta. Price 4 as.

Main workshops are situated at Kharagpur and Headquarters of the Controller of Stores at their offices in Garden Reach, Calcutta.

Figures of working for the system, during 1936-37 follow—Route mileage 3,392.25, number of passengers carried 18,797,525, amount of goods carried 15,835,000 tons, Freight earnings (goods only) Rs 6,40,19,000, gross earnings Rs 8,41,43,000, new lines opened nil, gross expenditure (including appropriation to Depreciation Reserve Fund) Rs 6,69,02,000.

Hd Office—Garden Reach, Calcutta.

Bengal and North Western Railway.—It is the only big Indian line that is not based upon one or other of the four principal cities—Delhi, Bombay, Calcutta and Madras. Its system, constructed throughout on the metre gauge traverses some of the richest and densely populated parts in Northern India and taps at several places the independent State of Nepal. This connects Bihar with Bengal on the one hand and the United Provinces on the other. The principal line extends from Katihar on the E. B. Ry. to Cawnpore in the United Provinces. The other branch lines consist of Mokameh Ghat to Sonapur via Muzaffarpur, Chapra to Benares Cantt., Gorakhpur to Gonda, Shahganj to Ballia, Naikhatgunj to Daibhanga, etc., etc. It joins the Rohilkhand and Kumaon Railway at Sitapur and Lucknow and makes important connections with E. I. Ry. at Mokameh Ghat, Cawnpur, Benares, Allahabad, Patna, Bhagalpur and Barabanki. It joins the G. I. P. at Cawnpore and Allahabad and B. B. & C. I. at Cawnpore again.

Bombay, Baroda and Central India Railway.—It is the largest of the Company-managed Railways in India and operates over 3,511.5 miles of line of which 1,259.6 miles are broad gauge, 2,027.4 miles metre gauge and 224.5 miles narrow gauge during 1936-37. This serves the northern half of the Bombay Presidency, Central India and the Southern portion of Rajputana. The main line runs from Bombay to Delhi through Surat, Broach, Baroda, Dohad, Kotah, Muttra, etc. The Southern section of the Railway runs from Bombay to Virangam and Kharaghoda via Ahmedabad, while the northern section of the Railway extends through Rajputana to Delhi. There are also other important Branch Lines as Ajmer-Khandwa, Rewari-Fazilka, Agra-Cawnpore, Surat-Amalner, etc., etc. The Railway has junctions with G. I. P. Railway, N. W. Ry., E. I. Railway and thus connects Bombay with the rest of India. It joins Jodhpur Railway at Marwar Junction and thus forms part of a through route between Bombay and Karachi.

This Railway provides the shortest and quickest route between Bombay, Delhi and Northern India, and the Frontier Mail a daily service de luxe, is one of the fastest and the best known, long distance trains operating in the East. It has its own workshops and Stores Depots in Bombay, with recently erected workshops at Dohad for the Broad Gauge system, and at Ajmer, the headquarters of the Metre Gauge system. There are Locomotive Workshops where locomotives are constructed, carriage and wagon shops, and a subsidiary stores Depot.

The results of the working of the Railways during 1936-37 are as follows—Route mileage 3,511.5 miles, number of passengers carried 84,503,300, weight of goods carried 9,800,000 tons, freight earnings (a) coaching, Rs 45,165,000, and (b) goods Rs 78,195,000, gross earnings Rs 125,300,000, new lines opened, nil, total working expenses, Rs 71,050,000.

Head Office—Church Gate, Bombay.

Burma Railways.—The railway which is a metre gauge system with more than 2,000 route miles came under the direct management of the

SAFETY MATCHES & their Manufacture explains every aspect of the industry. INDUSTRY BOOK DEPT., Calcutta. Price Rs 2/8.

Government of India on January 1, 1929. Since the separation of Burma from India from 1st April, 1937, the management was taken over by the Government of Burma from that date. The main line runs from Rangoon to Myitkyina a distance of 725 miles approximately north and south. On the east side there are branches to Katha on the upper reaches of the Irrawaddy River, Lashio in the Northern Shan States, Shwenyaung in the Southern Shan States, Madauk on the Sittang River and Moulmein and Ye in the south-east corner of the Province. On the west side there are branches to Ye-U in the Chindwin valley, and Myingyan, Kyaukpadaung and Prome in the Irrawaddy Valley. Myingyan is connected to Paleik, just south of Mandalay, by a chord line and a branch line extends some miles north of Mandalay to Madaya. There is also a service to Bassein and Kyangin on the west side of the Irrawaddy.

Results of working during 1936-37 were as follows—Route mileage 2,059.89, No. of passengers carried 20,272,778, Tons of Goods carried 3,856,742, Freight earnings (Goods Traffic only) Rs. 2,54,34,866, Gross earnings Rs. 3,82,74,101, New lines opened Nil, Stores purchased Rs. 48,00,000, Working expenses (exclusive of depreciation and interest charges) Rs. 20,871,426, Gross expenditure (inclusive of depreciation and interest charges) Rs. 4,08,80,740.

GOODS—Certain minor adjustments in Goods rates have recently been made with a view to combat various forms of competition. On the 1st January 1937 reduced rates for rice and paddy were introduced for bookings to Rangoon Stations from all stations on the sections Taikkyi-Prome, Pegu-Kyaukiaga and Shanywagi-Taungzun, and as a result both the quantities booked and the earnings therefrom increased on all the three sections.

East Indian Railway.—This is in point of route mileage the second largest of the Indian Railway systems but so far as freight traffic is concerned it is the most important. It serves the numerous cities of commercial, industrial, historical and religious importance in the Great Gangetic plain and serves as the outlet of the industrial quarters round Calcutta and the coal districts in Bengal and Bihar. The principal line runs from Howrah to Ghaziabad in the United Provinces serving the Western parts of Bengal, Bihar and United Provinces. The branch line linking Allahabad with Jubbulpur in the Central Provinces has now been transferred under the control of the Great Indian Peninsula Railway while the lines which were formerly managed by the Oudh and Rohilkhand Railway have been added to it. The chief branch lines are:—Howrah-Mokameh Loop line, Grand-chord line, Barharwa-Bundel line, Patna-Gaya Branch, Moghal Serai-Saharanpur line, etc. The Railway has junctions with the following railways: N W Ry.—Saharanpur, Meerut, Ghaziabad, B B & C I Ry.—Agra East Bank, Farukhabad, Hathras, Cawnpore; G I P Ry.—Cawnpore, Chheoki, Jumna Bridge, B N Ry.—Howrah, Asansol, Pathardihi, Bhaga, Katrasgarh, Barkakhana, Gomoh, B & N W Ry.—Barabanki, Cawnpore, Jaunpur, Shahganj, Benares Cantt., Taughat, Digba Ghat, Mokameh Ghat, Bhagalpur, E B Ry.—Nalhati, Manihari Ghat, R & K Ry.—Bareilly, Moradabad, Lucknow.

The measures taken to prevent diversion of traffic to the roads as well as to develop rail traffic include additions to and acceleration of train services, reductions in rates and fares, quotation of flat rates irrespective of commodities carried, provision of additional halts, opening of out-agencies, introduction of road cum rail and collection and delivery services, and an intensification of traffic canvassing and advertising.

SAFETY MATCHES & their Manufacture explains every aspect of the industry. **INDUSTRY BOOK DEPT., Calcutta.** Price Rs. 2/8.

Notwithstanding the competition from road motor transport, the gross earnings during 1936-37 improved by Rs 72.41 lakhs (about £543,000) equivalent to a 3.84 per cent increase over the preceding year. The increase is attributable entirely to Goods traffic, as Coaching earnings declined by Rs 13.53 lakhs (about £101,000) or 2.34 per cent, due partly to local distress following successive failures of the Rice crop, an unusually heavy and prolonged monsoon, and flood conditions, and an abnormally large number of inauspicious days for pilgrimages and marriages. Judicious enhancements in rates on various commodities, rendered possible by improvement in trading and industrial conditions contributed materially to the advance in goods earnings. Working expenses showed only a slight increase of Rs 4.32 lakhs (about £32,400) or 0.37 per cent for the year 1936-37.

Special attention continues to be paid to traffic development, trade enquiries, the necessity for closer contact with business interests, the quicker transit of traffic, the prevention of loss and damage to goods and parcels, the speedier settlement of claims for compensation and refunds.

A special drive has been inaugurated recently to stimulate passenger traffic in connection with religious melas or fairs and other special events and occasions, such as large and important Exhibitions and Shows, holiday periods, educational trips, sightseeing and pilgrimage tours and Boy Scout excursions.

Workshops—This Railway's carriage and wagon shops are situated at Lillooah and Lucknow (Alambagh) and Loco shops at Jamalpur and Lucknow (Charbagh).

Head Office—Fairlie Place, Calcutta

Eastern Bengal Railway.—The areas served by the Railway are Eastern Bengal, the North Western portion of Assam and the Northern Gangetic plain in Bengal and Bihar to the foot of the Himalayas. The important lines are Calcutta to Siliguri, Calcutta to Goalundo, and thence to Narainganj, Dacca, etc., Calcutta to Gauhati and Shillong via Parbatipur Junction, etc., etc. The principal exchange points are at Naihati with the East Indian Railway, Katihar with the B & N W. Railway, Mymensingh, and Pandu with the Assam Bengal Railway, Siliguri with Darjeeling Himalayan Railway, and Goalundo and Khulna with the river steamer services. The company's Broad Gauge Locomotive, Carriage and Wagon Works are at Kanchrapara and Metre Gauge Locomotive, Carriage and Wagon Works at Saidpur.

Figures for working during 1936-37. Route mileage 2,009.55 miles. No. of passengers carried 41,874,000. Tonnage carried 5,966,000. Freight earnings Rs 3,52,04,000. Total gross earnings Rs 5,90,42,000. New Lines opened Nil. Stores purchased Rs 1,00,97,000. Important changes in fares and goods rates—

(a) During the last Durga Pujah, Christmas and New Year, and Easter Holidays, First, Second, and Inter Class return tickets at 1½ single fares, and third class return tickets at 1½ fares, were issued for journey between stations which are 66 miles or more apart, over this Railway including Branch lines (except-Khulna-Bagerhat-Light Railway, over which two single fares were charged), during the year under review.

(b) First, Second, Inter and Third class "Travel-as-you-like" season tickets at Rs 60/-. Rs 40/-. Rs 15/- and Rs 10/- each respectively were issued at all stations on the Eastern Bengal Railway System and were made available for use for 15 days counting from mid-night of the date of issue.

For experimented formulas for damp proofing matches consult Safety Matches and Their Manufacture Industry Book Dept., price Rs. 2/8.

(c) Cheap lower class Return tickets on K. B. L. Railway.—With effect from 15th October 1936, cheap lower class return tickets were introduced and extended between Rupsa East and Bagerhat College, Bagerhat College and Mulghar, Bagerhat College and Jatrapur, Bahirdia and Bagerhat, and Brahman Rakdia and Bagerhat.

Reduced rates for jute to Calcutta and certain Mills and Presses in and around Calcutta were introduced on certain sections and a few other competitive points on this Railway.

For the purpose of developing the traffic, reduced special rates for General merchandise, such as grains, pulses, seeds, potatoes, salt, mustard oil, kerosine oil, sugar etc., were also introduced.

Reduced rates were introduced for Parcel traffic for the purpose of stimulating special traffic, such as mangoes, liches, oranges, patal etc.

Head Office —3, Koulaghat Street, Calcutta

Great Indian Peninsula Railway.—This is the third largest railway in India with an approximate route mileage of 3,500. It is the first system in India to develop electrical traction. It serves the Central portion of the Bombay Presidency, Hyderabad, Western half of the Central Provinces, Central India, lower parts of the United Provinces and some parts of Rajputana. One line connects Bombay with Delhi, another with Allahabad, via Jubbulpore, another line extends from Bombay to Raichur via Poona while a fourth joins the Bengal Nagpur Railway at Nagpur. The branch lines are —Dhond to Manmad, Itarsi to Jubbulpore, Katni to Bina, Kotah to Bina, etc. The system makes important junctions with other railways B. B. & C. I. Ry.—Bombay, Amalner, E. I. Ry.—Allahabad, Delhi, Agra, Cawnpore, N. W. Ry.—Delhi, B. N. Ry.—Katni, Jubbulpore, Nagpur, M. & S. M. Ry.—Poona, Hojai, Raichur, Nizam's State Railway—Balharshah, Wadi.

Figures for 1935-36 follow:—Route Mileage—Broad Gauge 24,82.80 miles, Narrow Gauge 244.36 miles, No. of passengers carried 52,227,551, Tonnage of Goods carried 10,400,825 Tons, Freight earnings Rs 8,52,03,508, Gross earnings Rs 17,48,25,463, New lines opened Nil; Stores purchased Rs 1,61,10,000.

Head Office —Victoria Terminus, Bombay.

Jodhpur Railway.—This serves the Eastern part of Sind and North-Western part of Rajputana. It runs from Hyderabad (Sind) to Kuchaman Road via Luni Junction, Jodhpur, Pipar Road, Merta Road, Degana and Makrana. Its branches are (1) Jhudo-Pithoro Loop, (2) Mirpur Khas-Khadro (in Sind), (3) Balotra-Pachpadra, (4) Samdari-Raniwala, (5) Marwar Junction—Phulad, (6) Jodhpur-Phalodi (Pokaran), (7) Pipar Road—Bilara, (8) Merta Road-Merta City, (9) Merta Road-Chilo, (10) Degana-Sujangarh, (11) Makrana-Farbatsar. At Chilo Junction and Sujangarh Junction it joins the Bikaner State Railway carrying traffic to Bhatinda and Hissar respectively. At Kuchaman Road and Marwar Junction it joins the B. B. & C. I. Railway for traffic to Delhi and Bombay respectively. The North-Western Railway joins the Jodhpur Railway at Hyderabad for traffic to Karachi. At Phulad it joins the Udaipur Chitorgarh Railway for traffic to Udaipur.

Figures for working of the system during 1936-37.—Route Mileage 1,054.96, Number of passengers carried 4,790,935, Amount of Goods carried 1,295,206 tons, Freight earnings Rs 69,79,624, Gross earnings Rs 1,21,87,339, Stores purchased Rs 17,48,201, Gross Expenditures Rs 65,36,327.

Important changes in fares and Goods Tariff as under.—

(1) Schedule C/R rate was quoted for ballast etc., from Jasai to stations in Sind and to via Hyderabad (Sind) when required for metal.

For experimented formulas for damp proofing matches consult Safety Matches and Their Manufacture. Industry Book Dept., price Rs. 2/8.

ling public roads in order to facilitate the construction of roads in Sind by the Government.

(2) The basis of Inter class ordinary fares for distance upto 8 miles was enhanced from 5 to 6 pies per mille in order to prevent over-crowding of Inter class accommodation in this zone.

(3) Special rates were quoted for Salt in wagon loads from Pachpadra to certain E I Railway stations to enable Pachpadra salt to find a market at these stations in competition with Sambhar salt.

(4) Revised special rates were quoted on this Railway for iron and steel from Karachi to certain stations on this and the Bikaner State Railways to induce movement of iron traffic to these stations from Karachi in competition with Bhavnagar.

(5) Concession Return Tickets were issued on occasions of big fairs on this Railway in order to stimulate passenger traffic.

Workshops and Stores are located at Jodhpur.

Head quarters —Jodhpur.

Madras and Southern Mahratta Railway.—It affords direct communication between various places in the Madras Presidency, and in connection with other railways forms direct main line through routes from Madras to Calcutta, Bombay, Upper India and to Mangalore and West Coast. The chief lines run from Madras and Poona, and thus serve the Northern and Central parts of the Madras Presidency, a small part of Hyderabad and the Southern part of the Bombay Presidency and Mysore. The important junctions are —N S Ry—Dronachellam and Bezwada, G I P Ry—Raichur, Poona, Hotgi, B L Ry—Miraj, B N Ry—Waltair, S I Ry—Madras, Arkonam, Katpadi, Jalarpet, Mysore Railway—Bangalore, Bowlingpet, Haridhar and Hindupur.

Figures for 1936-37, Route mileage —Broad Gauge 1,150.39 miles, Metre Gauge 2,078.14 miles, Total 3,228.53, No of passengers carried 30,841,000, Tons of goods carried 5,848,000, Freight earnings Rs 479.07 lakhs, Gross earnings Rs 747.87 lakhs, Gross expenditure Rs 449.86 lakhs.

Head Office —Park Town, Madras.

Mysore Railways.—The lines worked both by the State and the M and S M Ry Co, serve the whole of the Mysore State excepting a small bit between Bangalore City and Bisanattam which is on the Broad Gauge and worked directly by the M and S M Ry Co. The construction of a metre gauge line from Anandapuram to Sagara—a distance of 16.22 miles has been taken up and the work is in progress.

Route mileage 731.86 miles, Number of passengers carried 6,739,600, Number of tons carried 1,117,174, Freight (Goods) earnings Rs 38.73 lakhs, Gross earnings Rs 72.74 lakhs, Stores purchased Rs 10.41 lakhs, Gross expenditure Rs 53.15 lakhs.

Head Office —Mysore.

Nizam's State Railway.—This serves the Hyderabad State. The system furnishes a direct through route between Madras, Delhi and the North. The railway connects at three points with the G I P Ry, viz Wadi, Manmad and Balharshah. It has two exchange points with M & S Ry at Bezwada (for Madras and Coochabada points) and at Dronachellam. The chief lines are Wadi-Bezwada including mineral branch, Karepalli-Kothagudam, Kazipet-Balharshah, Vikarabad-Puril-vainath, Secunderabad-Manmad, Purna-Hingoli, Parbhani-Puril, Secunderabad-Dronachellam.

Figures for 1936-37 —Route mileage 1,348, No of Passengers carried 7,585,000, Tonnage of goods carried 2,504,000, Freight earnings Rs 2,24,66,000, Gross earnings Rs 2,28,80,000, Stores purchased Rs 55,94,000.

Pyrotechnic matches and Their Preparation are dealt in Safety Matches and Their Manufacture. Industry Book Dept, Calcutta. Price Rs. 2/8.

Head Office.—Secunderabad (Deccan), Workshop, Lallaguda

North Western Railway.—This is the longest railway in India and comprises over 6,900 route miles of lines. It serves almost the entire portion of the Punjab, Sind, North West Frontier Provinces and Baluchistan. The main line passes from Delhi to Peshawar Cantonment while others extend from Delhi to Karachi, via Lahore. The important branches are—Bhatinda to Samastas, Ludhiana to Hissar, Ferozepur to Hoshiarpur, etc. Junction is made with the East Indian Railway at Saharanpur, Meerut and Ghamabad and with the Great Indian Peninsula Railway near Delhi. The Bombay, Baroda and Central India Railway metre-gauge line links up with the North-Western Ry. at Delhi, Hissar, Bhatinda, Fazilka and Kot Kapura. The Bikaner and Jodhpur Railways connect it at Bhatinda and Hyderabad respectively.

Figures for working in 1935-36.—Total route mileage 6,944 miles, Number of passengers carried 65,333,000, Total tonnage carried 14,161,000, Freight earnings (excluding miscellaneous goods earnings) Rs 10,10,92,644, Gross earnings Rs 16,45,95,933, New lines opened Nil; Stores purchased Rs 2,30,12,000, Gross Expenditure Rs 12,02,31,623; Important changes in fares Nil. In 1936-37 the Railways earning increased by Rs 158 lakhs.

The improvement in passenger earnings was to some extent due to the enhancement of third class fares from the 1st January, 1936, but mainly to the Solar Eclipse fair at Kurukshetra in June, 1936 and to the general development in traffic as a result of improved trade conditions.

The increase in goods earnings was mainly due to (1) raw cotton and wheat on account of better crops and greater exports to foreign countries, (ii) sugar on account of the increased production of sugarcane and (iii) petrol, owing partially to increase in imports and partially to enhancement of rates from 1st January 1936.

Head Office—Lahore.

Rohilkund and Kumaon Railway Co., Ltd.—This Railway runs from Lucknow on the E. I. Ry., to Kasganj on the B. B. & C. I. Ry. passing through Sitapur, Lakhimpur Kheri, Gola Gokarannath, Pilibhit, Bareilly, Budaon and from Bareilly to Kathgodam the station nearest Naini Tal. It also serves by branch lines the area bordering Nepal, also Shahjehanpur, Moradabad and Ramnagar at the foot of the hills.

The open mileage is 571.04 miles. The goods traffic handled is principally agricultural and forest produce.

The administrative Headquarters are at Izatnagar just outside Bareilly where the Stores and Loco and Carriage and Wagon Shops are also situated.

Head Office—Izatnagar, Bareilly. Offices of the Agent and Heads of Department, Gorakhpur.

South Indian Railway.—The system is well connected up and the new lines opened during recent years help to consolidate railway facilities in Southern India. The main line extends from Madras to Rameswaram and Dhanushkodi while others are Madras to Mettupalayam, Madras to Mangalore via Podanur, Trichinopoly to Erode, Madurai to Tuticorin, Maniyachi to Trivandrum via Quilon, etc., etc. There are connections via Dhanushkodi and Talaimannar with Ceylon. The Railway has junctions solely with Madras and Southern Mahratta Railway, contact being made at Madras Beach, Jalarpet, Katpadi and Arkonam.

Figures of working for 1936-37.—Route mileage on 31st March 1937 2,531.95; Number of passengers carried 53,752,291; Tonnage of Goods carried 5,137,264, Freight earnings (Goods) excluding Steam Boat

Pyrrotechnic matches and Their Preparation are dealt in **Safety Matches and Their Manufacture**. Industry Book Dept., Calcutta. Price Rs. 2/8.

or at the time of delivery, and all goods are subject to lien not only for the freight, wharfage, demurrage and handling charges on the particular goods but also for any general balance which may be due to the Railway by the owner or consignor or consignee of such goods. If the money in respect of which goods are detained be not paid, they may be sold by auction, in the case of perishable goods at once and in the case of other goods, on the expiration of 15 days' notice of the intended auction and the proceeds applied in liquidation or reduction of the amount due and expenses.

Right to correct charges on receipt notes.—The weight, description and classification of goods and quotation of rates as given in the railway receipt and forwarding note are merely inserted for the purpose of estimating the railway charges and the Railway reserves the right of re-measurement, re-weighment, re-classification and re-calculation of rates, terminals and other charges and correction of any other errors at the place of destination and of collecting any amount that may have been omitted or undercharged. No admission is conveyed by a railway receipt that the weight as shown therein has been received or that the description of goods as furnished by the consignor is correct.

Marking of goods.—(1) Every package in a consignment of goods, before it will be accepted for carriage by rail, must be clearly marked by the sender with name, initials or private mark for purpose of identification. Such name, initials or private mark must be shewn on the forwarding note.

(1) Bags and bundles of hides and skins and baskets of fruit or vegetables, vessels of oil or ghee, bundles of iron bars or other goods that cannot be durably marked in the ordinary manner must have a leather, metal or wooden label attached to each bundle or article at the forwarding station by senders. Bundles of silk, cloth, blankets and cumblies must have a patch of white cloth sewn on them by senders for Railway marks.

Goods in bulk.—These rules do not apply to goods in bulk.

Declaration of goods.—Every consignment of goods, when handed to the Railway for despatch, must be accompanied by a forwarding note which must be signed by, or on behalf of, the sender or senders, and must contain a declaration of the weight, description and destination (station and Railway on which situated) of the goods consigned.

Fragile goods.—The Railway can accept no liability for fragile goods, such as earthenware pots, glass bangles, cast-iron goods, etc., even when not covered by risk note when the damages are clearly due to bad or defective packing and not to ill usage or rough handling in transit.

Notice of loss or damage.—The Railway shall not be responsible for any damage to, or loss of property unless notice of such is given in writing to the Station Master before delivery and removal from the Railway's premises of the property or of the package or packages, the contents or parts of the contents of which are alleged by the claimant to be damaged or lost, or of the rest of the consignment, a portion of which is alleged by the claimant to be lost (as the case may be).

Time-limit of claims for compensation.—No person shall be entitled to claim compensation for loss, destruction or deterioration of animals or goods delivered to be carried by the Railway unless a claim is preferred in writing to the Railway Administration within six months from the date of the delivery of the animals or goods for carriage by Railway.

Catechu Making is quite paying. Read MANUFACTURE OF CATECHU
Price Re. 1/8. INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

Time limit for refund of over-charges.—No person shall be entitled to a refund of an overcharge in respect of animals or goods carried by railway unless his claim to the refund has been preferred in writing by him or on his behalf to the Railway Administration (in the case of the Eastern Bengal Railway, to the Agent) within six months from the date of the delivery of the animals or goods for carriage by railway.

Risk Notes.—In all cases when goods or live-stock are conveyed at the risk of the owner, or on the understanding that the risk accepted by the Railway is limited to any extent the full value of the consignment, or the several sums prescribed in the Indian Railways Act IX of 1890, the consignor is required to execute a risk note

Value-payable system.—(a) Should mercantile firms and tradesmen desire to adopt the value-payable system, the following procedure may be followed —

A consignor should, in the forwarding note, shew the consignee as "self." Each package in the consignment should be marked with a distinctive private mark, which will also be recorded in the forwarding note, and railway receipt. Different marks should be used for different consignments despatched to the same station. Consignors are warned against shewing the intended consignee's name on any of the packages.

On obtaining the railway receipt from the railway, the consignors should endorse it in favour of consignee by name, and make it over to the Post Office for delivery to the consignee on payment of the amount due.

GOODS TARIFF.

Freight calculations on goods carried on railways are made on them with regard to (1) volume of business in a particular commodity, (2) volume of traffic per consignment, (3) load per wagon for a consignment, (4) the value of the article, (5) continuity or regularity or otherwise of despatch, (6) the bulk and the proportion of the weight to bulk, (7) degree of risk involved, goods being carried at owner's risk (O R) or at railway's risk (R R), (8) any special facilities required, such as quick despatch as in the case of perishable goods

The Indian General Railway classification of goods comprises ten classes, each with a scale of maximum and minimum rates and is in force in most of the railways. But goods are often carried at reduced commodity rates, either on the basis of fixed reduced schedules or at special lumpsum rates.

Whereas the maximum and the minimum rates are the same for all Indian railways there remains a wide margin between the two to enable each railway to regulate its charges within the maxima and minima limits

The maximum and minimum rates for the ten classes into which the goods have been grouped are as follows:—

| | | Maximum pices per md. per mile | Minimum pices per md. per mile. |
|---------|---|-----------------------------------|------------------------------------|
| First | — | 38 | 100 |
| Second | — | 42 | 100 |
| Third | — | 58 | 166 |
| Fourth | — | 62 | 166 |
| Fifth | — | 77 | 166 |
| Sixth | — | 83 | 166 |
| Seventh | — | 96 | 166 |
| Eighth | — | 104 | 166 |
| Ninth | — | 125 | 166 |
| Tenth | — | 187 | 166 |

Gatchu Making is quite paying. Read MANUFACTURE OF GATECHU
Price Re. 1/8. INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

Exceptional rates for some commodities are charged on several lines, e.g., cotton loose and half-pressed, wool loose and half-pressed are classed nine over G I P lines while piecegoods, shawls, cotton thread, hosiery, flannel, etc., in bales, press packed and bound with iron bands or packed in boxes or cases are charged at 1 pie per maund per mile. Over the Eastern Bengal Railway hemp, flax, jute and tow, machine pressed, hand or power, unpressed are classed six while tea is classed nine.

Railway freights are charged either on the **Sliding or cumulative (telescopic) scale**. Under the former the lowest rate for the longer distance traffic applies on such traffic on entire distance from start to finish. But under the latter or the cumulative basis the rate for the shorter distance is in higher scale and is the same for both long and short distance traffic up to a certain distance, and it is for the distance in excess that the charges are on a lower basis, and the higher and lower rates are added together to form the rate for the entire distance on the long haul traffic under the cumulative basis.

The present classification of goods is regarded as out of date and has, in the course of time become an exceedingly complicated business. It is hampering the development of commerce, trade, industry. Interests of all kinds have long demanded reform. It is pleasure to note that the Railway authorities have taken up the work of revision in co-operation with commercial men.

Maxima and Minima rates for the carriage of coal including coke and patent fuel, exclusive of a surcharge of $12\frac{1}{2}$ p.c., subject to a maximum of Re. 1 per ton.

The following is the scale of maxima and minima rates for the carriage of coal including coke and patent fuel for the public exclusive of a surcharge of 15 per cent generally imposed on coal subject to the condition laid down below —

Maxima Rates.

| | | per maund per mile. |
|--|--|---------------------|
| (I) | In wagon loads at O R | |
| (a) | For distances upto 400 miles— | |
| | For the first 200 miles | 0 165 pie. |
| | Plus for extra distance above 200 miles and upto 400 miles | 0 150 " |
| (b) | For distance above 400 miles — | |
| | For the first 400 miles | 0 15 " |
| | Plus for the distance in excess of 400 miles | 0 10 " |
| The above rates are subject to the Differential Rule | | |
| (II) | In consignments of less than in wagon loads at O R. | $\frac{1}{2}$ pie. |
| (III) | In wagon loads at R R | |
| (IV) | In consignments of less than in wagon loads at R R | .38 " |

Minima Rates.

| | |
|---|----------|
| For distances up to 300 miles | 0 10 pie |
| Plus for any distance in excess of 300 miles and up to 500 miles, inclusive | 0 066 " |
| Plus for any distance in excess of 500 miles | 0 05 " |

The surcharge does not apply in the case of (1) soft coke and (2) coal and coke consigned to Howrah and Calcutta, and (a) exported thence by sea to any port foreign or Indian, or (b) loaded for bunkering in the sea-going vessels within the limits of the port of Calcutta.

SHIPPING INFORMATION.

THE coastal and overseas trade of India which runs approximately to 460 crores of rupees annually permits of operation by a large number of shipping companies both Indian and foreign.

The tonnage of vessels entered with cargoes at ports in British India from foreign countries and British Possessions during 1936-37, amounted to 22,694,050 and the tonnage cleared to 22,200,246 as against 22,990,195 tons entered and 22,209,833 tons cleared during the corresponding period of the preceding year.

The following table shows the nationality of the vessels employed and the tonnage handled by each nationality during the last 3 years —

| Nationality. | Entered. | | | Cleared. | | |
|------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| | 1934-35 Tons | 1935-36 Tons | 1936-37 Tons | 1934-35 Tons | 1935-36 Tons | 1936-37 Tons |
| British — | 16,985,195 | 15,104,076 | 14,142,240 | 17,221,007 | 14,512,409 | 13,894,929 |
| British Indian — | 3,123,760 | 3,142,803 | 3,927,210 | 3,089,211 | 3,079,814 | 3,872,022 |
| Foreign — | 3,522,921 | 3,435,294 | 3,333,911 | 3,392,603 | 3,302,645 | 3,129,338 |
| Native Craft — | 1,198,117 | 1,308,022 | 1,290,689 | 1,280,907 | 1,314,965 | 1,303,957 |
| Total — | 24,829,993 | 22,990,195 | 22,694,050 | 24,983,728 | 22,209,833 | 22,200,246 |

COASTAL AND INLAND SHIPPING.

Asiatic Steam Navigation Co. Ltd., (A. S. N. C.)—Regular sailings to Chittagong, Rangoon, Moulmein, Port Blair (Andamans), Colombo and Bombay Via Coast ports, Sumatra and Java Ports Managing Agents —Turner Morrison & Co Ltd., 6, Lyon's Range, Calcutta, James Finlay & Co. Ltd., P. O. Goswaindanga, Chittagong

Bengal Assam Steamship Co. Ltd.—Maintains a service of steamers and flats for the transport of produce, principally jute, on the rivers of Bengal and the Eastern Districts Mng Agents—Andrew Yule & Co Ltd., 8, Clive Row, Calcutta

Bengal River Service Co. Ltd.—Ply regularly with cargo barges between Calcutta and Eastern Bengal Agencies —Dacca, Narainganj, Mirkadim, Bhairab, Chandpur, Madaripur, Charnuguria, Khulna, etc. Office.—9, Clive Street, Calcutta.

Bengal Steam Navigation Co., Ltd.—Sailings from Calcutta to Madaripur, Lohajung, Narayanganj, Bhairab and intermediate stations and vice versa Mng. Agts —Murali Dhar Ray & Bros., 16, Banamali Sircar Street, Calcutta.

Bombay and Persia Steam Navigation Co., Ltd.—Regular Service from Bombay and Karachi to Mauritius, Red Sea and Persian Gulf Ports Managing Agents —Turner Morrison & Co. Ltd., 16, Bank Street, Bombay.

Bombay Steam Navigation Co., (B. S. N. C.)—The Company has headquarters at Bombay. Their principal routes are from Bombay to Mangalore (412 miles) via Mormugao and from Bombay to Kiamari (Karachi) (546 miles) Via-Forbandar, touching at the more important

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ports on way The steamers of the Company ply on the following lines, calling at intermediate ports —Bombay—Mangalore, Bombay—Karachi, Bombay—Gulf of Cutch, Bombay—Bhavnagar, Bombay—Nahawa, Bombay—Bharatpur, Bombay—Jaigar, Bombay—Panjim (Goa). Agts —Killick Nixon & Co., 100, Frere Road, Bombay.

British India Coastal Line.—Works in conjunction with Peninsular and Oriental Steam Navigation Co Regular sailings from Calcutta to Rangoon, Straits, China, Japan, Madras, Coimandel Coast, Ceylon, Tuticorin, Malabar Ports, Bombay, Bhavnagar, and Karachi, Mauritius, West Indies and Cuba, Fremantle, Adelaide, Melbourne and Sydney, from Bombay to Karachi Via Kathiawar Ports, Basrah, Malabar Coast Ports, Ceylon, Coimandel Ports, Calcutta or Rangoon, also to East and South Africa, from Karachi to Bombay, Kathiawar Ports and Bombay, Basrah Via Bushire and Khoramshahr, Malabar Coast Ports, Tuticorin, Colombo, Madras, Coimandel Ports, Calcutta or Rangoon, from Chittagong to Akyab, Kyaukpau, Andrew Bays, Rangoon, etc., also regular sailings from Madras and Burma Agts —Mackinnon Mackenzie & Co., 16, Strand Road, Calcutta, Chittagong, Colombo, Bombay, Karachi, Mackinnon Mackenzie & Co. (Burma) Ltd, Rangoon and Moulmein, Bunnay & Co. (Madras) Ltd, Madras

Calcutta Steam Navigation Co., (C. S. N. Co.)—The principal lines are Calcutta to Ghatal (touching at Geokhali and Ranichuck), Calcutta to Katwa, Calcutta to Islampur, Kolaghat to Ranichuck, Jangipur and Raghunathganj to Dhulian Ferry services are run between Chandpal Ghat, Rajgunge and intermediate stations in the Port of Calcutta Some of these lines or parts of some of them are not navigable except during the rains The managing agents of the Company are Honie Miller & Co Ltd, 5, Fairlie Place, Calcutta

East Bengal River Steam Service Ltd.—Bi-weekly sailings from Calcutta to Chandpur, Narayanganj, Kamlaghat, Dacca and Bhairab Carry jute to Calcutta from Ashuganj, Bhairab, Narsingdi, Dacca, Narayanganj, Sherajdigha, Taipassa, Chandpur, Jobra, Chaimaguria, Madairpur, Khulna, etc Agents —Rajah Sreenath Ray & Bros. 87, Shova Bazar Street, Calcutta

Eastern Steam Navigation Co., Ltd.—Campbell Street, Karachi
India General Navigation and Railway Co. Ltd., and Rivers Steam Navigation Co. Ltd.—Operate goods services between Calcutta and all parts of Assam, Eastern Bengal, Bihar and the United Provinces. The most important services are (1) Calcutta (Jaggernathghat) to Dibrugarh (Assam) including cargo for Chumugria, Sirajganj, Jagannathganj, Dhubri, Gauhati Bazar Ghat, Tezpur, Silghat, Desangmukh and Dibrugarh, (2) Calcutta (Armenian Ghat) to Silchar including cargo for Chandpur, Mirkadim, Narayanganj, Dacca, Bhairab, Markul, Chhatak, Sylhet, Fenchuganj, Kaimangan, and Silchar, (3) Calcutta (Jaggernathghat) to Barisal including cargo for Khulna, Hularhat, Jhalakati, Barisal, Chittagong, Patuakhali and Bhowaniganj, (4) Calcutta (Jaggernathghat) to Ganges Stations up to Buxar Ghat and Burhaj including cargo for Goalundo, Pabna, Rahshahi, Lalgola, Raymahal, Bhagalpur, Khagaria, Monghyr, Semaria, Mokameh, Patna, Digha, Balha and Buxar

The chief passenger services are (1) Goalundo to Narayanganj, Dacca, Chandpur (for Chittagong, Silchar and Sylhet), Fulchari and Bahadurabad, (2) Khulna to Barisal, Chandpur and Dacca, Khulna to Madairpur, Satkhira, Boalmari, Magura, (3) Barisal to Madairpur, Tarpasa, Bhowaniganj, Chittagong, Jhalakati, Bagrhat, Patuakhali, Galachipa and Khepupara, (4) Narayanganj to Bhairab, Chhatak,

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SHIPPING INFORMATION.

Porabari, (5) Siraganj to Jagannathganj, Chaiabari, (6) and intermediate stations to Tezpur and Kakilamukh, (7) Goalpara

Full details can be had from Messrs. Kilburn & Co., Agents, 1 G. N. & Ry. Co. Ltd., 4, Fairlie Place, Calcutta, and Messrs. Macneil & Co., Agents, R. S. N. Co. Ltd., 2, Fairlie Place, Calcutta

Indian Co-operative Navigation & Trading Co., Ltd.—Steamers of the Company ply between Bombay and Panjim touching intermediate ports. Office—Keshari Bldg, 149, Frere Road, Bombay, No. 3

Indo-Burma River Steam Navigation Co. Ltd.—Sailings from India to Burma and vice versa. Agts—Chowdhury Bros. & Co., Well Street, Akyab.

Irrawaddy Flotilla Co., Ltd.—Carry passengers and cargo from Rangoon up the Irrawaddy as far as Bhamo (1,028 miles), up the Chindwin as far as Homalin (1,006 miles), and also to Bassein (176 miles). Every important centre is served by this Company which also operates in Moulmein inland waters. The main lines are Rangoon-Prome-Mandalay, Mandalay-Katha-Bhamo, Pakokku-Mawlaik-Homalin, Rangoon-Bassein, and throughout the Delta Creeks. A subsidiary called Irrawaddy Flotilla and Airways Ltd. conducts air services twice weekly with a 4-engined seaplane from Rangoon to Moulmein and Tavoy and to Prome and Yenangyaung

Malabar Navigation & Industrial Ltd.—The Company runs regular services from Ernakulam to Quilon, a distance of 91 miles, via Alleppey. Another service runs between Cochin and Alleppey (42 miles). Both steam launches and country crafts are available.

Merchant Steam Navigation Co.—Owners of steamers and carriers of cargo. Head Office, Masjid Bridge, Bombay 9, Branches Tellicherry, Badagara, Calicut and Alleppey. Agts—Cannanore, Cochin, Tuticorin and Karachi

National Steam Service—The company carries passengers between Goalundo and Rajbari. Office—Goalundo, Faridpur.

Scindia Steam Navigation Co. Ltd.—The biggest Indian managed shipping company having fortnightly services between Rangoon, Bombay, Karachi via Malabar, Rangoon, Madras, Colombo, Calcutta and Karachi via coast ports, and Rangoon and Calcutta, according to demand. Agts—Norottam Morarjee & Co., Ballard Estate, Bombay. Branches—Rangoon, Akyab, Calcutta, Calicut, Karachi. Agents at Moulmein, Bassein, Chittagong, Puri, Vizagapatam, Bimhapatam, Cocanada, Madras, Pondicherry, Cuddalore, Negapatam, Jaffna, Point Pedro, Galle, Colombo, Pambam, Tuticorin, Travandrum, Quilon, Alleppey, Cochin, Marmugao

OVERSEAS SHIPPING.

American & Indian Line—Direct service to Halifax, N. S. Boston, New York, Philadelphia, Baltimore and Norfolk via Colombo, Aden and Port Sudan. Agts—Gladstone Wyllie & Co., 4, Fairlie Place, Calcutta, Best & Co., Ltd., Madras; Forbes, Forbes, Campbell Co., Ltd., Karachi and Bombay.

Brocklebanks' Calcutta Agency—Regular sailings from Calcutta and Colombo (via Suez and Port Said and with liberty to call at Port Sudan) to London, Hull, Middlesboro, Leith, Dundee, Glasgow, Aberdeen, Greenock, Liverpool, Manchester, Swansea, Avonmouth, Southampton, Antwerp, Hamburg, Rotterdam, Bremen, Amsterdam, Gibraltar, St. Nazaire, La Palce, Boulogne, Dieppe, and other U. K. and Continental Ports as required. Agts—Grahams Trading Co. (India) Ltd., Grahams Building, Fort, Bombay; 6, Lyons Range, Calcutta and

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McLeod Road, Karachi, Best & Co. Ltd, 1st Line Beach, Madras, Turner Morrison & Co, 6, Lyons Range, Calcutta

Bank Line.—Direct service to West Coast, South America, taking cargo for Chilean and Peruvian Ports Agts —Turner Morrison & Co Ltd, 6, Lyons Range, Calcutta, Grahams Trading Co, (India) Ltd, Rangoon

Bibby Line.—Fortnightly sailings from Rangoon, Colombo and Cochin to Port Sudan, Port Said, Marseilles, Gibraltar, Plymouth, London Agents —Steel Bros & Co Ltd, P. O. Box 132, Rangoon; Carson & Co Ltd, Colombo; Killick Nixon & Co, Home Street, Bombay, Gillanders Arbuthnot & Co, Madras, Mackinnon Mackenzie & Co, Strand Road, Calcutta, Harrisons and Crossfield Ltd, Cochin, Quilon, Calicut, Coimbatore, Allepey, Trivandrum

Bombay Persia Steam Navigation Co.—Regular sailings from Calcutta to the Persian Gulf and Red Sea Ports Managing Agents —Turner Morrison & Co Ltd, 16, Bank Street, Bombay, Turner Morrison & Co Ltd, Calcutta, Grahams Trading Co (India) Ltd, Karachi & Rangoon

British India Steam Navigation Companies Mail and Passenger Services.—Sailings to Coast Ports in India and Burma, between India, Straits Settlements, Ceylon, Java, Hongkong, China, Japan, Australia, New Zealand, West Indies, Mauritius, East and South Africa, Persian Gulf, Red Sea, Egypt, Mediterranean, Antwerp and London Agents —Mackinnon Mackenzie & Co., 16, Strand Road, Calcutta

Brookebanks' Cunard Service.—Regular sailings from Calcutta to Persian Gulf and Red Sea Ports Managing Agents —Turner Morrison & Co Ltd, 16, Bank Street, Bombay Agents —Turner Morrison & Co, Ltd, Calcutta and Grahams Trading Co (India) Ltd, Karachi and Rangoon

Brookebank Cunard Service.—Regular sailings from Calcutta to Boston, New York, Philadelphia, Baltimore and Norfolk via Colombo and Port Sudan Agts —Graham's Trading Co. (India), Ltd, 6, Lyons Range, Calcutta; Best & Co, Ltd, Madras

Canadian Pacific.—Sailings to Canada, United States, Europe via China, Japan and Honolulu Agents —Mackinnon, Mackenzie & Co, Calcutta, Bombay, Colombo, Thomas Cook & Son, Ltd, (Any Branch), American Express Co (Any Branch).

Glan Line of Steamers Ltd.—Load cargo at Calcutta and Chittagong for London, Dundee, Continental Port and Glasgow and touch at Bimlipatam, Coconada, Madras, Tuticorin and Colombo, etc Agts —James Finlay & Co, Ltd, 1, Clive Street, Calcutta, Chittagong, Colombo and Karachi, Ripley & Co, Bimlipatam and Coconada; Gordon Woodroffe & Co, (Madras) Ltd, Vizagapatam and Madras, A & F. Harvey, Tuticorin.

Dollar Steamship Lines.—Regular sailings from Calcutta via Singapore or Hongkong to United States and Canada Agts McLeod & Co, Ltd, Calcutta, Forbes Forbes Campbell & Co, Ltd, Bombay and Delhi, Cooper & Co, Karachi, South Indian Export Co Ltd, Madras

Elder Dempster.—Direct service to West Africa Agents Turner Morrison Co Ltd, Calcutta.

Ellerman and Bucknall Steamship Co. Ltd.—Regular sailings to Boston and New York Agts —Gladstone Wyllie & Co, 4, Fawcett Place, Calcutta, Forbes, Forbes, Campbell & Co, Ltd, Home Street, Fort, Bombay, Best & Co. Ltd, Madras, Aspinwall & Co. Ltd, Cochin, Calicut, etc

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Ellerman's City Line—Cargo and passenger sailing from Calcutta to London, Dundee, Dunkirk, Glasgow. Agts —Gladstone Wylie & Co., 4, Fairlie Place, Calcutta

Ellerman's City and Hall Lines—Sailing from Bombay and Karachi, Port Okha and Jamnagar, Mormugao and Malabar Coast Port, Madras and Calcutta to Port Sudan, Port Said, Marseilles, Barcelona, Plymouth, Dundee, Dunkirk, Antwerp, Ghent, Hull, London, Liverpool, Manchester and Glasgow. Agts —**Killick, Nixon & Co., Home Street, Bombay**; **Forbes, Forbes Campbell & Co., Ltd., Karachi**; **Killick, Nixon & Co's Agency, Port Okha**, Commissioner of Ports and Customs, Jamnagar; **Killick, Nixon & Co's Agency, Mormugao**, **Aspinwall & Co., Ltd., Mangalore**, **Tellicherry, Calcutt, Cochun, Alleppey, Best & Co., Madras**, **Gladstone Wylie & Co., Calcutta.**

Hansa Steam Navigation Co.—Direct service to Port Said, Antwerp, Rotterdam, Hamburg and Bremen. Agents—**Lionel Edwards Ltd., Nicol Street, Ballard Estate, Bombay**, **Mohatta Building, McLeod Road, Karachi**; **D-I, Clive Buildings, Calcutta**, **Mercantile Bank Buildings, 1st Line Beach, Madras**; **Cocanada, Lionel Edwards (Burmah) Ltd., 80, Strand Road, Rangoon**, **Lionel Edwards Ltd., Mormugao**, **Lionel Edwards Ltd., 17, Queen Street, Colombo**

Harrison Line—To London, Liverpool, Manchester, Birkenhead and Bristol Channel Ports Take cargo on through Bills of Lading for Ports in Canada, the West Indies, Central & South America, West-Africa, etc. No passengers carried Agts —**Hoare, Miller & Co. Ltd., 5, Fairlie Place, Calcutta.**

Henderson Line—Sailings from Rangoon to Port Sudan, Port Said, Marseilles, Gibraltar & U K Agents —**Steel Bros. & Co., Ltd., P. O. Box 132, Rangoon**; **Thomas Cook & Son, Ltd., Rangoon**; **A Scott & Co., Rangoon**

Holland British India Line.—Direct service to Port Said, Antwerp, Rotterdam, Hamburg & Bremen Agents —**Bombay, Karachi, Colombo & Madras, Lionel Edwards Ltd.** (For full address see Hansa Line).

India-Natal Line—Sailings from Indian Ports to Beira, Lorenzo, Marques, Durban, East London, Port Elizabeth, Mossel Bay, Capetown. Agents —**Anderson Wright & Co., Strand Road, Calcutta**, **Steel Bros. & Co., Ltd., P. O. Box 132, Rangoon**; **Perry & Co., Ltd., Madras** and **Grahams Trading Co., Ltd., Grahams Buildings, Fort, Bombay.**

Indian African Line (The Bank Line Ltd.)—Regular monthly services from Calcutta, Rangoon and Colombo to Beira, Lorenzo Marques, Durban, East London, Algoa Bay, Mossel Bay and Cape Town with leave at shipowners' option to call at Madagascar. Agents: —**Grahams Trading Co (India) Ltd., 6, Lyons Range, Calcutta;**

Indo-China S. N. Co., Ltd.—Regular passenger and cargo service from Calcutta to Straits and Far East Agents.—**Jardine, Skinner & Co., 4, Clive Row, Calcutta**

Isthmian Steamship Lines—For beston, New York, Philadelphia, and Baltimore. Agents —**The Angus Co., Ltd., 3, Clive Row, Calcutta.**

Lloyd Triestino Navigation Company—Regular bi-monthly sailings from Bombay to Trieste, Venice, Brindisi, Genoa, Naples, Port Said, Aden, Colombo, Singapore, Hongkong, Manila and Shanghai Head Office.—**Contractor's Building, Nicol Road, Ballard Estate, Bombay**. Agents **Agenzia Veneziana Carlo Minto Ltd., P. O Box No. 527, Rangoon**, **Turner Morrison & Co Ltd., P. O Box No. 68, Calcutta.** **Stuparich Brothers, Karachi**, **Best & Company, Madras.**

Messageries Maritimes—French Mail Steamers Sailings from Madras, Pondicherry and Colombo to Marseilles, also to Indo China,

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China and Japan Offices—6/20, North Beach Road, Madras, Cours Chaprol, Pondicherry. Calcutta Agents Volkart Brothers, 11, Clive Street, Bombay Agents Volkart Brothers, 19, Graham Road.

Nippon Yusen Kaisha (N. Y. K.) Line—From Bombay to Colombo, Singapore, Hongkong and Japan. Passenger routes—Colombo to London, via Suez, Bombay to Japan, Singapore to Japan, Hongkong to San Francisco, Kobe to Seattle, Hongkong to Valparaiso, Hongkong to Europe Office in India—Cox's Building, Hornby Road, Fort, Bombay; 2 & 3, Clive Row, Calcutta. Agents in India—Mackinnon Mackenzie & Co., Karachi, A & F Harvey, Tuticorin, Wm Goodacre & Sons, Alleppey, Bombay, and Madras.

Orient Line—Sailings from Colombo to Aden, Egypt, Naples, Villefranche, Toulon, Palma, Gibraltar, Plymouth and London. Passengers from India to Europe are given free tickets from Tuticorin or Talimannar to Colombo. Agts—Binny & Co., Madras.

Osaka Shosen Kaisha (O. S. K.) Line—Regular services between Japan and India via Rangoon, Singapore, Hongkong and Shanghai. Br. Offices 135, Canning Street, Cal, 210, Hornby Road, Fort, Bombay.

Peninsular and Oriental Steam Navigation Company, P & O. Mail Service from Bombay to London via Aden, Port Said and Marseilles, (Every Saturday), Agts—Binny & Co., (Madras) Ltd, Madras, Mackinnon Mackenzie & Co., Bombay. British India Service from Bombay (Monthly), Agts—Mackinnon Mackenzie & Co (Burma) Ltd, at Akyab, Bassein, Kyaukpau, Rangoon, Moulmein, Tavoy and Mergui. P & O and British India Joint Service from Calcutta to London via Madras, Colombo, Aden, Suez, Port Said, Marseilles and Plymouth (Fortnightly), Agts—Mackinnon Mackenzie & Co at Chittagong, Coromandel Co Ltd, at Puri, Gopalpore Bimlipatam, Vizagapatam and Cocanada, Madura Co Ltd, at Negapatam, Tuticorin, Alleppey, Cochin, Calcut, Tellicherry, Badagara, Cannanore and Mangalore.

River Plate—Bank, Harrison, Clan, Ellerman, Joint service from Calcutta to Buenos Ayres, Montevideo and Rosario via Rio de Janeiro and Santos. Joint Agents, Turner Morrison & Co, Ltd. and Hoare Miller & Co, Ltd, Calcutta.

Societa Veneziana di Navigazione-Venice—Sailings under contract with the Italian Government from Calcutta to Italy. Agents—Turner, Morrison & Co, Ltd, 6, Lyons Range, Calcutta, Best & Co, Ltd, Madras.

Swedish East Asiatic Co. Ltd.—Direct service to Port Said, Antwerp, Rotterdam, Hamburg & Gothenburg. Also taking cargo in transhipment for Scandinavian and Spanish ports. Agents—Karachi, Bombay, Colombo, Madras, Calcutta, Lionel Edwards Ltd, Rangoon. Lionel Edwards (Burmah) Ltd (For full address see Hansa Line).

Wilhelmsen Lines—Direct service to Port Said, Antwerp, Rotterdam, Hamburg and Oslo. Agents—Calcutta, Bombay, Karachi and Madras—Lionel Edwards Ltd (For full address see Hansa Line).

Miscellaneous—The other lines include.—

Apcar Line of Steamers—Agents Mackinnon Mackenzie & Co, 16, Strand Road, Calcutta.

Ellerman's Wilson Line—Agents James Finlay & Co, Ltd, P. O. Box 209, Calcutta.

Java Bengal Line, Fl. Clive Buildings, Calcutta.

Houston Line—Agents—James Finlay & Co, Ltd, P. O. Box 209, Calcutta.

Silver Java Pacific Line, Fl. Clive Buildings, Calcutta.

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FREIGHT CHARGES.

The freight charges differ with the length of the haul and the nature of the goods. As in the case of railways the freight charges on manufactured goods and produce differ appreciably. The charges are so made that the goods can bear them without being overburdened with incidental charges.

As a general rule the freight rates are usually based upon the cargo ton by weight or equally 2,240 lbs or by measurement of 40 cubic feet. Articles are sometimes quoted according to the packing. Goods packed in cases are charged per ton of 40 cubic feet. Bag cargo pays per ton of various hundredweights according to the weight of the articles in comparison with the size, i.e., the space it will occupy. Thus bags of potatoes, googal, atom, almonds, coffee, groundnuts, leaves (dry), turmeric and coke are quoted per ton of 20, 17, 16, 15, 11 and 10 cwt. respectively.

The cargo rates however have been standardised through the competition among the several lines and the railways also to some extent. But on occasions when very large shipments are made, special rates are awarded to the buyers of freight and spaces are reserved for them previously, if arranged.

TONNAGE SCHEDULE.

| | per ton of | | per ton of |
|---------------------|------------|--------------------------|------------|
| Calcutta. | | Mustard seed | 20 cwt. |
| Aniseed in bags | 8 cwt. | Myrobalans | 20 cwt. |
| Betelnut | 20 cwt. | Nux Vomica, | |
| Bonemeal | 20 cwt. | Cuttack quality | 16 cwt. |
| Bristles | 50 c. ft. | Oils in casks | 50 c. ft. |
| Cardamom in robbins | 8 cwt. | Oil cake | 20 cwt. |
| " in boxes | 50 c. ft. | Paddy | 16 cwt. |
| Castor seed | 15 cwt. | Peas | 20 cwt. |
| Chillies | 8 cwt. | Pig Iron | 20 cwt. |
| Cloves in bags | 8 cwt. | Poppy seed | 20 cwt. |
| Coal & Coke | 20 cwt. | Rape seed | 20 cwt. |
| Coir in dholls | 10 cwt. | Rice | 20 cwt. |
| Coriander seed | 12 cwt. | Rope in coils or bundles | 50 c. ft. |
| Corundum | 20 cwt. | Shellac | 50 c. ft. |
| Cumin seed | 8 cwt. | Silk in cases or bales | 50 c. ft. |
| Dhal | 20 cwt. | Soap in bags | 15 cwt. |
| Fibres, all sorts | 50 c. ft. | Sugar | 20 cwt. |
| Garlic and Onion | 12 cwt. | Tamarind in cases | 20 cwt. |
| Ginger | 16 cwt. | Tea | 50 c. ft. |
| Gunny | 20 cwt. | Timber | 50 c. ft. |
| Hides in bales | 30 c. ft. | Tobacco in bales | 50 c. ft. |
| Hides, salted or | | Turmeric | 16 cwt. |
| arsenicated | 14 cwt. | Wax | 20 cwt. |
| Indigo | 50 c. ft. | Wheat | 20 cwt. |
| Jute | 50 c. ft. | Wool | 50 c. ft. |
| Kapok | 50 c. ft. | | |
| Leather | 50 c. ft. | Bombay. | |
| Lentils | 20 cwt. | Ajwan in bags | 11 cwt. |
| Linseed | 20 cwt. | Apricot | 13 cwt. |
| Manganese | 20 cwt. | Arrowroot in casks | 40 c. ft. |
| Mica | 20 cwt. | Bajra in bags | 18 cwt. |
| Mohua seed | 20 cwt. | Barley in bags | 16 cwt. |
| Molasses | 20 cwt. | Beeswax in cases | 40 c. ft. |

Start A New Industry! Read **MANUFACTURE OF RUBBER GOODS.**
Price Re. 1/8. INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

| | per ton of | | per ton of |
|-----------------------|--------------|------------------------|------------|
| Betelnuts in bags | 13 cwt | Beeswax in bags | 20 cwt. |
| Bonemeal | 20 cwt. | Betelnut | 18 cwt. |
| Bullion | ad valorem | Bone Meal | 20 cwt |
| Cassia | 40 c ft | Borax | 20 cwt. |
| Coffee | 40 c ft | Cardamoms | 10 cwt |
| Coir in bales | 40 c ft. | Cardamom in box | 50 c ft |
| Copra in robbins | 8 cwt | Castor seed | 20 cwt |
| " cut in bags | 10 cwt | Chillies in bags | 12 cwt. |
| Cotton | 40 c. ft. | " in robbins | 14 cwt |
| Cotton seed | 13 cwt. | Cigar | 50 c ft |
| Cutch | 13 cwt | Cloves in chests | 50 c ft |
| Dhal | 17 cwt. | Cloves in bags | 8 cwt |
| Fenugreek | 17 cwt | Coal | 20 cwt |
| Flour in bags | 18 cwt | Cochineal | 50 c ft. |
| Galls in bags | 13 cwt | Coffee | 18 cwt. |
| Galls in cases | 40 c ft | Coir | 50 c.ft. |
| Groundnut, shelled | 14 cwt | Copra | 12 cwt |
| " unshelled | 6 cwt | Cotton in bales | 50 c ft |
| Gums in cases | 40 c ft | Cutch in bags | 17 cwt |
| Hides & Skins | 40 c ft | Garlic | 12 cwt. |
| Indigo | 40 c ft. | Ginger in bags | 12 cwt |
| Jowar | 17 cwt | Groundnut (shelled) | 20 cwt. |
| Linseed | 16 cwt | Groundnut (unshelled) | 20 cwt |
| Mother of pearls in | | Hides | 50 c ft. |
| tins or cases | 40 c ft | Indigo | 50 c ft. |
| " in bags | 16 cwt. | Lac | 16 cwt. |
| Myrobalans | 14 cwt | Linseed | 20 cwt. |
| " crushed | 11 cwt | Metals | 20 cwt. |
| Niger seed | 14 cwt | Molasses | 20 cwt. |
| Nux Vomica in case | 40 c ft | Mustard seed | 20 cwt. |
| Oil in casks | 40 c ft | Myrobalan | 20 cwt. |
| Oil cakes | 15 to 16 cwt | Niger seed | 20 cwt. |
| Paddy in bags | 13 cwt | Nuxvomica in bags | 20 cwt |
| Peas | 17 cwt | Oils in casks | 20 cwt. |
| Pepper in bags | 13 cwt | Paddy in bags | 20 cwt. |
| Rape seed | 15 cwt | Palmyra fibre in bales | 50 c ft. |
| Rice in bags | 18 cwt | Pepper in bags | 16 cwt. |
| Sandalwood and Sappan | | Poonac | 20 cwt. |
| wood | 9 cwt. | Poppy seed | 20 cwt. |
| Salt | 28 mds | Rape seed | 20 cwt. |
| Sesamum | 14 cwt | Rice in bags | 20 cwt. |
| Silk in bales | 8 cwt | Rope in coils | 50 c ft. |
| Senna in bags | 5 cwt | Sago in casks | 50 c ft. |
| Sugar in double bags | 19 cwt | Salt | 16 cwt. |
| Tamarind | 15 cwt | Saltpetre | 20 cwt. |
| Tobacco in bales | 40 c ft | Sesamum | 20 cwt. |
| Turmeric in bags | 11 cwt | Shells, rough in bags | 20 cwt. |
| Wheat | 18 cwt | Sugar including | |
| Wool in screwed bales | 40 c ft | Jaggery in bags | 30 cwt. |
| Madras. | | Tamarind in cases | |
| Aloes in bags | 20 cwt | or casks | 20 cwt |
| " in cases | 50 c ft | Tapioca | 50 c ft. |
| Alum | 20 cwt | Tea in chests | 20 cwt. |
| Arrowroot in casks | 50 c ft | or | 50 c ft. |
| Barks in bags and | | Timber | 50 c ft |
| bundles | 8 cwt | Tobacco in bales | 50 c ft. |

| | per ton of | | per ton of |
|----------------------|------------------|-----------------------|------------|
| Turmeric in bags | 16 cwt. | Tobacco in bales | 40 c ft. |
| Wool in bales | 50 c. ft. | Turmeric | 11 cwt. |
| Karachi. | | Wheat | 18 cwt. |
| Asafoetida | 40 c ft. | Wool in screwed bales | 40 c. ft. |
| Bajra in bags | 18 cwt. | Rangoon. | |
| Barley in bags | 15 cwt. | Beans | 20 cwt. |
| Beeswax in bags | 40 c. ft. | Beeswax | 20 cwt. |
| Betelnuts in bags | 13 cwt. | Betelnut | 20 cwt. |
| Boi ax in bags | 16 cwt. | Bottles, empty | 40 c. ft. |
| Canes in bundles | 13 cwt. | Cardamom in boxes | 8 cwt. |
| Cardamoms in bundles | 40 c ft. | Castor seed | 15 cwt. |
| Castor seed | 14 cwt. | Chillies | 8 cwt. |
| Cinnamon in casks | 40 c. ft. | Chiretta | 16 cwt. |
| Cloves in casks | 40 c. ft. | Cigars | 50 c. ft. |
| Coal | 20 cwt. | Cloves | 8 cwt. |
| Coir in bales | 40 c. ft. | Coal | 20 cwt. |
| Copra in robbins | 8 cwt. | Coffee in bags | 18 cwt. |
| Cotton in bales | 40 c ft. | Coir in bundles | 20 cwt. |
| Cotton seed | 13 cwt. | Copra in bags | 14 cwt. |
| Cutch in bags | 13 cwt. | Cotton in bales | 50 c. ft. |
| Dates, wet | 16 cwt. | Cutch in bags | 16 cwt. |
| " dry | 13 cwt. | Elephant Teeth | 20 cwt. |
| Dhal | 17 cwt. | Flour | 20 cwt. |
| Fennel seed | 10 cwt. | Garlic or onions | 12 cwt. |
| Fenugreek | 17 cwt. | Ginger | 16 cwt. |
| Flour | 18 cwt. | Gram | 20 cwt. |
| Galls | 13 cwt. | Guano | 16 cwt. |
| Ginger in bags | 10 cwt. | Gunny bags | 50 c. ft. |
| Gram | 17 cwt. | Hemp in bales | 50 c. ft. |
| Groundnuts, shelled | 13 cwt. | Hoofs, horns, etc. | 20 cwt. |
| Hides and skins | 40 c. ft. | India rubber in bags | 20 cwt. |
| Indigo | 40 c ft. | Iron | 20 cwt. |
| Jaggery | 18 cwt. | Jute | 50 c. ft. |
| Jowar | 18 cwt. | Lac, stick—in bags | 16 cwt. |
| Lentils | 20 cwt. | Lac, seed—in casks | 50 c. ft. |
| Linseed in bags | 16 cwt. | Linseed | 20 cwt. |
| Maize in bags | 17 cwt. | Maize | 20 cwt. |
| Mohua seed | 13 cwt. | Millets | 20 cwt. |
| Mustard seed | 16 cwt. | Mustard seed | 20 cwt. |
| Myrobalans | 13 cwt. | Nutmeg in casks | 50 c. ft. |
| Niger seed | 14 cwt. | Oats | 16 cwt. |
| Nux vomica | 13 cwt. | Paddy | 20 cwt. |
| Oil in cases | 40 c ft. | Paraffin wax in casks | 20 cwt. |
| Pepper | 13 cwt. | Peas | 20 cwt. |
| Pimento | 12 cwt. | Planks and deals | 50 c ft. |
| Plumbago | 16 cwt. | Rapseed | 20 cwt. |
| Rhubarb | 40 c. ft. | Rice in bags | 20 cwt. |
| Rice | 18 cwt. | Rice meal | 20 cwt. |
| Salt | 28 Indian mds of | Sago in casks | 50 c ft. |
| | 82 2/7 lbs. | Salt | 20 cwt. |
| Sesamum | 15 cwt. | Sesamum | 20 cwt. |
| Silk in bales | 8 cwt. | Saltpetre | 20 cwt. |
| Sugar | 19 cwt. | Shellac in casks | 50 c. ft. |
| Talc | 16 cwt. | Silk | 50 c ft. |
| Tamarind | 15 cwt. | Sugar | 20 cwt. |

New Careers Await You! Read **MECHANICAL INDUSTRIES**, Re. 1/8.
INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

| | per ton of |
|-------------------|------------|
| Tallow in casks | 20 cwt |
| Tamarind in casks | 20 cwt |
| Tobacco in bales | 50 c ft |
| Tea in chests | 50 c ft |
| Timber | 50 c ft |
| Wheat | 20 cwt |
| Wool | 50 c ft. |

| | per ton of |
|-------------|--------------------------|
| Chittagong. | |
| Bulk oil | 280 gallons |
| Oil in drum | 2,240 lbs. |
| Timber | 50 c ft |
| Soorkey | 20 cwt or 60 c ft |
| Fowls | 100 to a ton |
| Coconuts | 2,635 to a ton or 20 cwt |

SEASONS OF SHIPMENT.

| | |
|-----------------|---|
| Bombay. | |
| Castor | February onwards. |
| Chillies | June onwards |
| Cotton | November onwards, shipments heaviest from Jan to July |
| Cotton Seed | January to July |
| Fruits in Syrup | June to December |
| Groundnut | November onwards |
| Linseed | February onwards |
| Myrobalan | December onwards |
| Poppy Seed | April onwards |
| Gingelly Seed | December to June |
| Rapeseed | March onwards |
| Skins | Throughout the year. |
| Rice | February onwards |
| Salt | Throughout the year |
| Wheat | April onwards. |
| Tobacco | Throughout the year |

Calcutta.

| | |
|---------------|--------------------------|
| Chillies | June onwards |
| Coal | Throughout the year. |
| Cinnamon | June onwards. |
| Eggs | Throughout the year. |
| Fruits | June to December. |
| Gunnies | September to January. |
| Hemp | October to January. |
| Hides | January to June (mainly) |
| Jute | July to March |
| Linseed | April to August |
| Petroleum Oil | Throughout the year |
| Rice | February onwards |
| Shellac | September to April |
| Skins | Throughout the year. |
| Tea | April to November |
| Tobacco | Throughout the year. |

Cochin.

| | |
|-------------|--------------------------|
| Chillies | May onwards |
| Coconut Oil | January to May (mainly). |

| | |
|-----------------------|--------------------------|
| Coffee | December to May. |
| Cair & Cair Mats, etc | Throughout the year |
| Copra | January to May (mainly) |
| Ginger | December to May. |
| Lemongrass oil | June to May. |
| Nux Vomica | December onwards |
| Pepper | November onwards |
| Poonac | January to May (mainly). |
| Rubber | Throughout the year |
| Tea | Throughout the year. |
| Turmeric | February to May. |

Cuddalore.

| | |
|---------------|-------------------|
| Groundnut | November onwards. |
| Groundnut Oil | November onwards. |
| Oilcake | November onwards. |
| Sugar | February to July. |

Karachi.

| | |
|----------------|------------------------|
| Bajra | September to November. |
| Bailey | March to July. |
| Bonemeal, etc. | Throughout the year. |
| Castor Seed | September to November. |
| Cotton | October to January. |
| Cotton Seed | October to January. |
| Gram | April to July |
| Jowar | September to November. |
| Lentil | April to July. |
| Linseed | February to May |
| Maize | December to March |
| Peas | March to June |
| Rapeseed | March to June. |
| Rye | February to May |
| Sesamum | October to January. |
| Toria | January to April. |
| Wheat | May to August |
| Wool | Throughout the year |

There is lot of money in Confectionery making. Read MANUFACTURE OF CONFECTIONERY, Re. 1/8. Industry Book Dept., Calcutta.

Madras.

| | |
|---|-----------------------------------|
| Castor Seed | Throughout the year. |
| Chillies | May onwards. |
| Cigar | Throughout the year. |
| Coffee | Throughout the year. |
| Cotton | April to October. |
| Groundnut | November to June |
| Rice | December onwards. |
| Hides, horns, indigo, jaggery, mica, redwood, spices, skins | are exported throughout the year. |

Port Okha.

| | |
|-------------|----------------------|
| Cotton | August to April. |
| Cotton Seed | August to April. |
| Groundnut | August to April. |
| Rapeseed | August to April. |
| Salt | Throughout the year. |

Vizagapatam.

| | |
|-----------|-----------------------|
| Groundnut | November to March. |
| Hemp | October to December. |
| Jaggery | January to June. |
| Jute | October to January. |
| Myrobalan | December to May. |
| Gingelly | May to July. |
| " | October to December. |
| Niger | December to February. |
| Rapeseed | March to May. |

Rangoon.

| | |
|-------------|-----------------------|
| Beans | February onwards. |
| Cotton | October to April. |
| Cotton Seed | October to April. |
| Cutch | Throughout the year. |
| Groundnut | December onwards. |
| Maize | November to February. |
| " | May to June. |
| Millet | February onwards. |
| Petroleum | Throughout the year. |

| | |
|-----------|------------------------|
| Rice | January-June (mainly). |
| Rice bran | January onwards. |
| Rubber | November to June. |
| Teak | Throughout the year. |
| Wheat | December onwards. |

Bedi Port.

| | |
|-----------|---------------------|
| Castor | January to October. |
| Cotton | April to July. |
| Gram | April to October. |
| Groundnut | January to May. |
| Lentils | April to October. |
| Millet | April to October. |
| Wool | January to May. |

Akyab.

| | |
|-----------|-------------------|
| Rice | February to June. |
| Rice bran | From April. |

Bassein.

| | |
|-----------|--------------------|
| Rice | January-September. |
| Rice bran | February-November. |

Moulmein.

| | |
|-----------|----------------------|
| Rice | January-August. |
| Rice bran | February-August. |
| Timber | Throughout the year. |

Karikal.

| | |
|------|------------------|
| Rice | January onwards. |
|------|------------------|

Mahe.

| | |
|----------|----------------|
| Coconuts | January-March. |
|----------|----------------|

Pondicherry.

| | |
|-----------|----------------------|
| Bonemeal | Throughout the year. |
| Groundnut | January onwards. |
| Onions | Throughout the year. |

Mormugao.

| | |
|---------------|----------------------|
| Cotton seed | January-August. |
| Groundnut | January-June. |
| Manganese ore | Throughout the year. |

SEASONS RELATING TO WEATHER, ETC.**Arabian Sea.**

Monsoons.—S. W. Monsoon extends from May/June to September/October. (July and August are generally the worst months).

Bay of Bengal.

Monsoons S. W. Monsoon, May to October. N. E. Monsoon, November to April.

Cyclones Cyclones occur at Monsoon changes, namely May and October, the latter being the most dangerous month.

Indian Ocean, South.

Cyclones: The Cyclone Season is most severe from November to May, the worst months being January, February and March.

There is lot of money in Confectionery making. Read MANUFACTURE OF CONFECTIONERY, Re. 1/8. Industry Book Dept., Calcutta.

INDIAN CUSTOMS TARIFF.

THE schedule is divided into two sections, viz Import Tariff and Export Tariff. The following compiles the main articles subject to import and export duties, the standard rate of duty and the preferential duty, if any, to the articles of the United Kingdom (U K.) and a British Colony (abbreviated as Br C).

IMPORT SCHEDULE.

PRODUCTS OF THE ANIMAL KINGDOM.

Milk, condensed or preserved, including milk cream—30 per cent ad valorem, U K. 20 per cent ad valorem.

PRODUCTS OF THE VEGETABLE KINGDOM.

Fruits & Vegetables, all sorts, fresh, dried, salted or preserved—30 per cent ad valorem. Br C 20 per cent ad valorem

Currants—Re 1-4 per cwt

Coffee, canned or bottled—30 per cent ad valorem, U K 20 per cent ad valorem, Br C 20 per cent ad valorem.

Coffee, not otherwise specified—25 per cent ad valorem plus one anna per lb Br C 25 per cent ad valorem

Tea—Five annas per pound, Br C Three annas per pound

Cardamoms, cassia, cinnamon, cloves, nutmegs and pepper—Unground—45 per cent ad valorem Br C 37½ per cent ad valorem, do ground—37½ per cent ad valorem

Chillies, ginger and mace—30 per cent ad valorem Br C 22½ per cent ad valorem

Betelnuts—45 per cent ad valorem Br C 37½ per cent ad valorem

Vanilla beans—30 per cent ad valorem Br C 20 per cent ad valorem

Grain and Pulse, not otherwise specified—Free

Flour not otherwise specified—25 per cent ad valorem

Sago and Tapioca—30 per cent ad valorem Br C 20 per cent ad valorem

Starch and farina—15 per cent ad valorem

Oilseeds, non-essential, all sorts not otherwise specified, including copra or coconut kernel—30 per cent ad valorem Br C 20 per cent ad valorem

Dyeing and Tanning substances, all sorts not otherwise specified—25 per cent ad valorem

Barks for tanning—Free.

Cutch and Gambier, all sorts—30 per cent ad valorem. Br. C 20 per cent ad valorem

Gums, Resins and Lac, all sorts not otherwise specified—25 per cent ad valorem

Gums, Arabic, Benjamin (ras and cowrie) and Dammer (including unrefined batu) and rosin—30 per cent ad valorem Br C 20 per cent ad valorem.

If you want to market Crops, learn preliminary process from Preparing Crops for the Market, Re. 1/8. Industry Press, Shambazar, Calcutta.

Stick or Seed Lac—Free. Cinchona bark—Free.
Canes and Rattans—25 per cent ad valorem.

FATTY SUBSTANCES, GREASES, WAX.

All sorts of Stearine, wax, grease and animal fat not otherwise specified—25 per cent ad valorem.

Lard, not canned or bottled—25 per cent ad valorem.

Beeswax—30 per cent ad valorem; Br. C. 20 per cent ad valorem.

Tallow—Free.

Fish oil including whale oil not otherwise specified—30 per cent ad valorem, U. K. 20 per cent ad valorem.

Fish oil and whale oil hardened or hydrogenated—Rs. 10 per cwt.

Vegetable non-essential oils, not otherwise specified—35 per cent ad valorem, U. K. 25 per cent ad valorem, Br. C. 25 per cent ad valorem.

Coconut oil, groundnut oil and Linseed—35 per cent ad valorem,

Br. C. 25 per cent ad valorem

Animal oils, not otherwise specified—25 per cent ad valorem

FOOD, DRINK AND TOBACCO.

Canned or bottled bacon, ham and lard—25 per cent ad valorem.

Fish, canned—30 per cent ad valorem; U. K. 20 per cent ad valorem, Br. C. 20 per cent ad valorem

Isinglass, canned or bottled—25 per cent ad valorem.

Sugar excluding confectionery—Rs. 9-4 per cwt.

Molasses—31½ per cent ad valorem.

Confectionery—50 per cent ad valorem. U. K. 40 per cent ad valorem.

Sugar-candy—Rs. 10-8 per cwt.

Cocoa and chocolate other than confectionery—30 per cent ad valorem, U. K. 20 per cent ad valorem.

Biscuits, cakes, and farinaceous and patent foods, canned or bottled—25 per cent ad valorem

Vegetable products, jams, pickles, chutnies, sauces and condiments, canned or bottled—25 per cent ad valorem.

Fruits and Vegetables, canned or bottled—30 per cent ad valorem; U. K. 20 per cent ad valorem, Br. C. 20 per cent ad valorem

Canned or bottled provisions, not otherwise specified—30 per cent ad valorem; U. K. 20 per cent ad valorem.

Provisions and Oilman's Stores and Groceries, all sorts not otherwise specified—25 per cent ad valorem.

All sorts of food not otherwise specified—25 per cent ad valorem.

All sorts of drink not otherwise specified—25 per cent ad valorem.

Ale and beer. In barrels or other containers containing 27 oz or more—Rs. 1-2 per Imperial gallon; U. K. Fourteen annas per Imperial gallon.

Champagne and other sparkling wines—Rs. 13-2 per Imperial gallon.

Other sorts—Rs. 7-8 per Imperial gallon.

Brandy, gin, whisky and other sorts of spirits not otherwise specified, including wines containing more than 42 per cent of proof spirit—Rs. 37-8 per Imperial gallon of the strength of London proof.

Laqueurs, cordials, mixtures and other preparations containing spirit not otherwise specified—Rs. 50 per Imperial gallon if the strength is not to be tested and Rs. 37-8 per Imperial gallon of the strength of London proof, if not so entered

Drugs and medicines containing spirit (i) entered in such a manner as to indicate that the strength is not to be tested—Rs. 40

If you want to market Crops, learn preliminary process from Preparing Crops for the Market, Re. 1/8. Industry Press, Shambazar, Calcutta.

per Imperial gallon; U. K. Rs. 36 per Imperial gallon; Br. C. Rs 36 per Imperial gallon.

(1) do. not so entered—Rs 29 per Imperial gallon of the strength of London proof, U K Rs 26 per Imperial gallon of the strength of London proof, Br. C: Rs 26 per Imperial gallon of the strength of London proof.

Perfumed spirits—Rs 60 per Imperial gallon. U. K. Rs. 52-8 per Imperial gallon

Denatured spirit—9½ per cent ad valorem.

Vinegar in casks—2½ per cent ad valorem

Oilcakes—25 per cent ad valorem

Tobacco, manufactured, not otherwise specified—Rs 3-12 per lb

Cigars—Rs 112½ per cent ad valorem

Cigarettes—25 per cent ad valorem and in addition either Rs 3/2/- per thousand or Rs 3/4/- per lb, whichever is higher

Tobacco, unmanufactured—Rs 3-4 per lb, Br. C Rs 2-12 per lb.

MINERAL PRODUCTS.

China clay—Free.

Salt—Rs 1-9 per md plus an additional duty of 1½ annas per md.

Chalk, lime and clay—25 per cent ad valorem

Cement not otherwise specified—30 per cent ad valorem; U K 20 per cent ad valorem.

Portland cement excluding white Portland Cement—Rs 18-4 per ton, U K Rs 13-12 per ton

Stone prepared as for road metalling—Free

Metallic ores, all sorts except ochres and other pigment ores—Free

Coal, coke and patent fuel—Ten annas per ton

Asphalt—25 per cent ad valorem; Br C 15 per cent ad valorem

Pitch and Tar—25 per cent ad valorem

Kerosene oil—Three annas and nine pies per Imperial gallon.

Motor Spirit—Ten annas per Imperial gallon

Mineral oil—12½ per cent ad valorem or Rs 15-10 per ton

Lubricating oil—Two annas and six pies per Imperial gallon; U K Six pies per Imperial gallon

CHEMICALS, SOAPS, CANDLES, ETC.

Chemicals, Drugs and Medicines, all sorts not otherwise specified—30 per cent ad valorem, U K 20 per cent ad valorem, Br C 20 per cent ad valorem

Bleaching Paste and bleaching powder—Free

Copperas, green (ferrous sulphate)—2½ per cent ad valorem

Magnesium chloride—Rs 1-5 per cwt or 25 per cent ad valorem, whichever is higher

Alum (ammonia alum, potash alum and soda alum)—25 per cent ad valorem or Re 1-6 per cwt whichever is higher

Magnesium sulphate or hydrated magnesium sulphate—25 per cent ad valorem or Re 1-4 per cwt whichever is higher

Cadmium sulphide, cobalt oxide, selenium, uranium oxide and zinc oxide—25 per cent ad valorem, U K 15 per cent ad valorem.

The following Chemicals, Drugs and Medicines, namely, acetic, carbolic, citric and oxalic acids, naphthalene, potassium chlorate and potassium cyanide, bicarbonate of soda, borax, sodium silicate, arsenic, calcium carbide, glycerine, lead, magnesium and zinc compounds not otherwise specified, aloes, asafoetida, cocaine, sarsaparilla and storax—25 per cent ad valorem

Saccharine (except in tablets)—Rs 6-4 per lb.

Prepare patent medicines for the market Read PHARMACEUTICAL PREPARATIONS. Rs. 1/8. Industry Book Dept, Shambazar, Calcutta.

Saccharine tablets—18½ per cent ad valorem or Rs 6-4 per pound of saccharine contents, whichever is higher.

Alkaloids of Opium and their derivatives—Rs. 30 per seer of 80 tolas or 18½ per cent ad valorem, whichever is higher.

Toilet Requisites not otherwise specified—30 per cent ad valorem; U. K. 20 per cent ad valorem

Cinematograph Films not exposed—25 per cent ad valorem, U. K. 15 per cent ad valorem.

Cinematograph Films, exposed—37½ per cent ad valorem.

Dyes derived from coaltar, and coaltar derivatives, used in any dyeing Process—10 per cent ad valorem.

Paints, colours and printers materials—30 per cent ad valorem; U. K. 20 per cent ad valorem

Red lead, white lead, zinc white—25 per cent ad valorem.

Plumbago and graphite—30 per cent ad valorem; Br. C 20 per cent ad valorem

Printers' Ink—10 per cent ad valorem.

Lead pencils—30 per cent ad valorem or one anna per dozen, whichever is higher; U. K. 20 per cent ad valorem.

Slate pencils—25 per cent ad valorem

Natural Essential Oils—25 to 30 per cent ad valorem; U. K. 20 per cent ad valorem.

Essential Oils, synthetic—30 per cent ad valorem; U. K. 20 per cent ad valorem.

Camphor—50 per cent ad valorem.

Soap, toilet—35 per cent ad valorem or Rs. 20 per cwt whichever is higher; U. K. 25 per cent ad valorem.

Soap household and laundry (a) in plain bars of not less than one pound in weight—Rs. 4 per cwt.; (b) Other sorts—Rs 6/8 per cwt.

Polishes and compositions—25 per cent ad valorem

Candles—25 per cent ad valorem

Glue, not otherwise specified—30 per cent ad valorem; U. K. 20 per cent ad valorem.

Glue, clarified, liquid—10 per cent ad valorem.

Fireworks specially prepared as danger or distress lights for the use of ships—25 per cent ad valorem. Fire works not otherwise specified 50 per cent ad valorem.

Matches—In boxes or booklets containing on an average not more than 40 matches Re. 1 per gross of boxes or booklets plus ten annas per gross of boxes or booklet; In boxes or booklets containing on an average more than 40 but not more than 60 matches—Re. 1/8 per gross of boxes or booklets plus fifteen annas per gross of boxes or booklets: In boxes or booklets containing on an average more than 60, but not more than 80 matches—Rs. 2 per gross of boxes or booklets plus Re. 1-4 per gross of boxes or booklets; All other matches—4 annas for every 1,440 matches or fraction thereof plus one pie for every 48 matches or fraction thereof.

Manures—Free.

HIDES & SKINS, RUBBER, TIMBER, PAPER, ETC.

Hides and skins not otherwise specified—25 per cent ad valorem.

Hides and skins, raw or salted—Free.

Skins (other than Fur Skins), tanned or dressed, and unwrought leather—30 per cent ad valorem; U. K. 20 per cent ad valorem.

Saddlery, harness, trunks and bags—25 per cent ad valorem.

Leather cloth including artificial leather, and other manufactures of leather not otherwise specified—30 per cent ad valorem; U. K. 20 per cent ad valorem.

Prepare patent medicines for the market. Read PHARMACEUTICAL PREPARATIONS. Re. 1/8. Industry Book Dept., Shambazar, Calcutta.

Fur Skins, dressed—30 per cent ad valorem; U. K.; 20 per cent ad valorem

Rubber, raw—Free

Rubber tyres and tubes and other manufactures of rubber not otherwise specified excluding apparel and boots and shoes—30 per cent ad valorem U. K., 20 per cent ad valorem

Wood and Timber, all sorts, not otherwise specified, including all sorts of ornamental wood—25 per cent ad valorem

Tea chests and parts and fittings thereof—25 per cent ad valorem.

Cork manufactures not otherwise specified—30 per cent ad valorem, U. K., 20 per cent ad valorem

Furniture of wickerwork or bamboo—30 per cent ad valorem; U. K., 20 per cent ad valorem

Wood pulp—Rs 56-4 per ton

Paper, including chrome, marble, flint, poster and stereo printing paper, articles made of paper and papier mache; pasteboard, mill-board and cardboard, all sorts, other than strawboard—30 per cent ad valorem; U. K. 20 per cent ad valorem

Printing paper (excluding chrome, marble, flint, poster and stereo, all sorts which contain no mechanical wood pulp or in which the mechanical wood pulp amounts to less than 70 per cent of the fibre content—One anna and three pies per lb.

Printing paper, all sorts not otherwise specified which contain mechanical wood pulp amounting to not less than 70 per cent of the fibre content, and strawboard, all sorts—25 per cent ad valorem

Writing paper (a) Ruled or printed forms (including letter paper with printed headings) and account and manuscript books and the binding thereof—One anna and three pies per lb or 18½ per cent ad valorem, whichever is higher, (b) All other sorts—One anna and three pies per lb

Trade catalogues and advertising circulars imported by packet, book, or parcel post—Free

Paper money—Free

Newspapers, old in bales and bags—25 per cent ad valorem

Stationery including drawing and copy books, labels, advertising circulars, sheet or card almanacs and calendars, Christmas, Easter and other cards, including cards in booklet forms including also waste paper but excluding paper and stationery otherwise specified—30 per cent ad valorem, U. K. 20 per cent ad valorem

Books, maps, charts and plants, manuscripts, and illustrations specially made for binding in books—Free

Prints, Engravings and Pictures (including photographs and picture post cards) on paper on cardboard—50 per cent ad valorem

TEXTILE MATERIALS.

Silk, raw (excluding silk waste and noils), and silk cocoons—25 per cent ad valorem, plus 14 annas per lb

Silk waste and noils—25 per cent ad valorem

Wool, raw, and wool-tops—Free

Cotton, raw—Six pies per lb

Textile materials—Raw hemp—18½ per cent ad valorem, all others 25 per cent ad valorem

Silk Yarn including thrown silk wairs and yarn spun from silk waste or noils but excluding sewing thread—25 per cent ad valorem plus 14 annas per lb

Silk sewing thread—25 per cent ad valorem

Artificial silk yarn and thread—25 per cent ad valorem or 3 annas per lb whichever is higher

You like to prepare chocolate, lozenges, drops, etc. Read Manufacture of Confectionery. Industry Book Dept., Shambazar, Calcutta.

Woollen yarn not otherwise specified—35 per cent. ad valorem;
U. K. 25 per cent. ad valorem

Woollen yarn for weaving and knitting wool—30 per cent ad valorem;
U. K. 20 per cent ad valorem.

Cotton twist and yarn, and cotton sewing or darning thread—(1) of British manufacture 5 per cent ad valorem, (2) not of British manufacture $6\frac{1}{2}$ per cent.

Fabrics, not otherwise specified, containing more than 90 per cent of silk, including such fabrics embroidered with artificial silk, (a) Pongee and Chinese silk piecegoods—50 per cent ad valorem plus Re. 1 per lb.; (b) Fuji, Boseki and corded (excluding white cord)—50 per cent ad valorem plus Re. 1-8 per lb.; (c) Other sorts—50 per cent ad valorem plus Rs. 2 per lb.

Fabrics not otherwise specified containing more than 90 per cent of artificial silk—(a) of British manufacture—30 per cent ad valorem or $2\frac{1}{2}$ annas per square yard, whichever is higher, (b) not of British manufacture 50 per cent ad valorem or 4 annas per square yard, whichever is higher.

Woollen fabrics, not otherwise specified containing more than 90 per cent of wool, excluding felt and fabrics made of shoddy or waste wool—35 per cent ad valorem or Re. 1-12 per lb. whichever is higher;
U. K. 25 per cent. ad valorem

Cotton fabrics not otherwise specified, containing more than 90 per cent of cotton—(a) Grey piecegoods (excluding bordered grey chaddars, dhuties, saris and scarves)—(1) of British manufacture—25 per cent ad valorem or $4\frac{1}{2}$ annas per lb, whichever is higher; (11) not of British manufacture—50 per cent ad valorem or $5\frac{1}{2}$ annas per lb, whichever is higher, (b) Cotton piecegoods and fabrics not otherwise specified—(1) of British manufacture—25 per cent ad valorem, (11) not of British manufacture—50 per cent ad valorem.

Fabrics, not otherwise specified, containing more than 10 per cent and not more than 90 per cent silk—(a) containing more than 50 per cent of silk or artificial silk or of both—50 per cent ad valorem plus Rs. 2 per lb., (b) containing not more than 50 per cent of silk or artificial silk or of both—(1) containing more than 10 per cent artificial silk—50 per cent ad valorem or Re. $1\frac{1}{8}$ per lb., whichever is higher, (11) containing no artificial silk or not more than 10 per cent artificial silk—50 per cent ad valorem, woollen allovers embroidered with artificial silk are exempt from so much of the duty as in excess of 35 per cent. ad valorem or Re. $1\frac{1}{2}$ per lb., whichever is higher (standard) and 25 per cent ad valorem (preferential) woollen waste and rags—Exempt from payment of import duty.

Fabrics, not otherwise specified, containing not more than 10 per cent silk but more than 10 per cent and not more than 90 per cent artificial silk—(a) containing 50 per cent or more cotton—(1) of British manufacture—30 per cent ad valorem or 2 annas per square yard, whichever is higher, (11) not of British manufacture—50 per cent ad valorem or $3\frac{1}{2}$ annas per square yard, whichever is higher, (b) containing no cotton or containing less than 50 per cent cotton—(1) of British manufacture—30 per cent ad valorem or $2\frac{1}{2}$ annas per square yard, whichever is higher, (11) not of British manufacture—50 per cent ad valorem or 4 annas per square yard, whichever is higher.

Fabrics, not otherwise specified, containing not more than 10 per cent silk or 10 per cent artificial silk, but containing more than 10 per cent but not more than 90 per cent wool—35 per cent ad valorem, U. K. 25 per cent ad valorem.

You like to prepare chocolate, lozenges, drops, etc. Read Manufacture of Confectionery. Industry Book Dept., Shambazar, Calcutta.

Fabrics, not otherwise specified, containing not more than 10 per cent silk or 10 per cent artificial silk or 10 per cent wool, but containing more than 50 per cent cotton and not more than 90 per cent cotton—(a) of British manufacture—25 per cent ad valorem, (b) not of British manufacture—50 per cent ad valorem

Fabrics, not otherwise specified, containing not more than 10 per cent silk or 10 per cent artificial silk or 10 per cent wool or 50 per cent cotton—25 per cent ad valorem

Sateens including Italians of Sateen weave, velvets and velveteens and embroidered all-overs—(a) of British manufacture—25 per cent ad valorem, (b) not of British manufacture—35 per cent ad valorem

Ribbons—50 per cent ad valorem, U K 40 per cent ad valorem

Blankets and rugs (other than floor rugs), excluding blankets and rugs made wholly or mainly from artificial silk—25 per cent ad valorem

Woollen carpets, floor rugs, shawls and other manufactures of wool, not otherwise specified, including felt—35 per cent ad valorem, U K 25 per cent ad valorem.

Cotton, hair and canvas ply belting for machinery—6½ per cent ad valorem

Oil cloth and floor cloth—30 per cent ad valorem, U K 20 per cent ad valorem

Socks and stockings made wholly or mainly from silk or artificial silk—50 per cent ad valorem; U K 40 per cent ad valorem.

Woollen hosiery and woollen knitted apparel, that is to say, all hosiery, and knitted apparel containing not less than 15 per cent of wool by weight—35 per cent ad valorem or Re 1.2 per lb whichever is higher, U K 25 per cent ad valorem

Cotton undervests, knitted or woven, and cotton socks or stockings (a) of a weight not exceeding 4 lbs per dozen—25 per cent ad valorem or 12 annas per lb whichever is higher, (b) of a weight exceeding 4 lbs per dozen—25 per cent ad valorem or 10 annas per lb whichever is higher

Cotton knitted fabrics—50 per cent ad valorem or 12 annas per lb. whichever is higher.

Apparel, hosiery, haberdashery, millinery and drapery, not otherwise specified—35 per cent ad valorem, U K 25 per cent ad valorem, Br C 25 per cent ad valorem

FOOTWEAR, HATS, UMBRELLAS, ETC.

Boots and shoes not otherwise specified 25 per cent ad valorem or 6 annas per pair whichever is higher

Boots and Shoes composed mainly of leather—30 per cent ad valorem or six annas per pair, whichever is higher, U K 20 per cent ad valorem or 5 annas per pair, whichever is higher

Hats, caps, bonnets and hatters' wares, not otherwise specified—35 per cent ad valorem, U K 25 per cent ad valorem Br C 25 per cent ad valorem

Umbrellas—30 per cent ad valorem or eight annas each, whichever is higher, U K 20 per cent ad valorem

STONE, CERAMIC & GLASSWARES.

Articles made of Stone or Marble—25 per cent ad valorem

Building and Engineering materials—30 per cent ad valorem, U K 20 per cent ad valorem

Earthenware pipes and sanitary ware—25 per cent ad valorem

Tiles of earthenware and porcelain—30 per cent ad valorem or two

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annas per square foot, whichever is higher; U. K. 20 per cent ad valorem.

Domestic Earthenware, china, and porcelain—30 per cent ad valorem, U. K: 20 per cent ad valorem.

Covered crucibles for glass-making—25 per cent ad valorem, U. K: 15 per cent ad valorem

Glass and Glassware not otherwise specified, and lacquered ware—25 per cent ad valorem.

Globes for hurricane lanterns—25 per cent ad valorem or four annas and six pies per dozen, whichever is higher.

Other globes and chimneys having an external base diameter of over one inch—25 per cent ad valorem or three annas per dozen, whichever is higher.

Electric lighting bulbs—50 per cent ad valorem, U. K. 40 per cent ad valorem.

Glass bangles, glass beads and false pearls—50 per cent ad valorem.

PRECIOUS STONES.

Precious Stones, unset and imported uncut, and Pearls, unset—Free

Precious Stones, unset and imported cut—25 per cent ad valorem.

Silver bullion and silver sheets and plates which have undergone no process of manufacture subsequent to rolling—Three annas per ounce.

Gold bullion and gold sheets and plates which have undergone no process of manufacture subsequent to rolling—Free.

Silver plate and silver manufactures, all sorts not otherwise specified—50 per cent ad valorem.

Silver thread and wire and silver leaf including also imitation gold and silver thread and wire, lametta and metallic spangles and articles of like nature of whatever metal made—62½ per cent ad valorem.

Gold plate, gold leaf and gold manufactures, all sorts not otherwise specified—50 per cent ad valorem.

Gold or gold-plated pen nibs—50 per cent ad valorem; U. K. 40 per cent ad valorem.

Jewellery and Jewels—50 per cent ad valorem.

METALS AND METALWARES.

Iron or Steel, old—15½ per cent ad valorem.

Iron alloys, viz, ferro-manganese, ferro-silicon, ferro-chrome, spiegeleisen and the like as commonly used for steel making—20 per cent ad valorem, U. K. 10 per cent ad valorem

Iron or steel angle, channel, tee, flat, beam, zed, trough and piling—(a) not fabricated of British manufacture—Rs. 5½ per ton or 10 per cent ad valorem, whichever is higher; not of British Manufacture—Rs. 48½ per ton (b) Fabricated Rs. 46 per ton both for British and non-British Manufactures.

Iron or steel bar and rod—(i) of British manufacture—Rs. 15½ per ton or 10 per cent ad valorem whichever is higher; (ii) not of British manufacture—Rs. 44½ per ton or 20 per cent ad valorem whichever is higher.

Iron, pig—20 per cent ad valorem; U. K: 10 per cent ad valorem.

Cast iron pipes and tubes, also cast iron fittings therefor, that is to say, bends, boots, elbows, tees, sockets, flanges, plungs, valves, cocks and the like—(i) of British manufacture—10 per cent ad valorem; (ii) not of British manufacture—Rs. 57-8 per ton.

Cast iron plates—20 per cent ad valorem, U. K. 10 per cent ad valorem.

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Steel Ingots, Iron or steel blooms, billets and slabs, provided that no piece less than $1\frac{1}{2}$ inches square or thick shall be included—Rs. 4 per ton or 20 per cent ad valorem whichever is higher, U K Rs 4 per ton or 10 per cent ad valorem whichever is higher.

Iron or steel Structures, fabricated partially or wholly, not otherwise specified—Rs 46 per ton both for British and non-British manufactures

Steel, tinplates and tinned sheets, including tin taggers, and cuttings of such plates, sheets or taggers—(i) of British manufacture—Rs 44 per ton, (ii) not of British manufacture—Rs. 65 per ton.

Iron or Steel bolts and nuts, including hook-bolts and nuts for roofing but excluding fish bolts and nuts—(i) of British manufacture—Rs 6 per ton or 10 per cent ad valorem whichever is higher and exempt from so much of the duty as in excess of Rs. $37\frac{1}{4}$ per ton, (ii) not of British manufacture—Rs $37\frac{1}{4}$ per ton

Iron or Steel fish bolts and nuts—(i) of British manufacture—Rs 6 per ton or 10 per cent ad valorem whichever is higher, (ii) not of British manufacture—Rs. $92\frac{1}{4}$ per ton

Iron or Steel expanded metal—20 per cent ad valorem; U K 10 per cent ad valorem

Iron or Steel hoops and stumps—20 per cent ad valorem, U. K 10 per cent ad valorem

Iron or Steel rivets—(i) of British manufacture—Rs. 6 per ton or 10 per cent ad valorem, whichever is higher and exempt from so much of the duty as in excess of Rs $43\frac{1}{8}$, (ii) not of British manufacture—Rs. 6 per ton plus Rs $1\frac{1}{14}$ per cwt.

Iron or Steel nails and washers, all sorts not otherwise specified—20 per cent ad valorem, U K 10 per cent ad valorem

Iron or Steel pipes and tubes and fittings therefor, if riveted or otherwise built up of plates or sheets (i) of British manufacture—Rs. 18 per ton, or 10 per cent ad valorem, whichever is higher (ii) not of British manufacture—Rs. 41 per ton

Iron or Steel pipes and tubes, also fittings therefor, that is to say, bends, boots, elbows, tees, sockets, flanges, plugs, valves, cocks and the like, excluding pipes, tubes and fittings therefor otherwise specified—20 per cent ad valorem, U. K 10 per cent ad valorem

Iron or Steel plates excluding cast iron plates (a) not fabricated (i) of British manufacture—Rs $5\frac{1}{3}$ per ton or 10 per cent ad valorem whichever is higher, (ii) not of British manufacture—Rs 46 per ton, (b) fabricated—Rs 46 per ton

Iron and Steel sheets fabricated (1) not galvanized (i) of British manufacture—Rs $16\frac{1}{3}$ per ton, or 10 per cent ad valorem whichever is higher, (ii) not of British manufacture—Rs $37\frac{1}{2}$ per ton, (2) galvanized (i) of British manufacture—Rs $15\frac{1}{3}$ per ton or 10 per cent ad valorem whichever is higher, (ii) not of British manufacture—Rs $45\frac{1}{3}$ per ton

Iron and Steel sheets, fabricated (1) not galvanized (i) of British manufacture—Rs 18 per ton or 10 per cent ad valorem whichever is higher, (ii) not of British manufacture—Rs 41 per ton, (2) Galvanized (i) of British manufacture—Rs 17 per ton or 10 per cent ad valorem, whichever is higher, (ii) not of British manufacture Rs 50 per ton

Iron or Steel Rails (a) 30 lbs. per yard and over, and fishplates therefor (i) of British manufacture—Rs $5\frac{1}{2}$ per ton or 10 per cent ad valorem, whichever is higher, (ii) not of British manufacture—Rs $5\frac{1}{3}$ per ton or 20 per cent ad valorem, whichever is higher, (b) under 30 lbs. per yard and fish-plates therefor (i) of British manufacture

ture—Rs. 15-1/3 per ton, or 10 per cent ad valorem, whichever is higher (1) not of British manufacture Rs 44½ per ton

Switches and Crossings for rails 30 lbs per yd or over (1) of British manufacture—Rs. 6/- per ton or 10 p c ad valorem, whichever is higher, (2) not of British manufacture—Rs. 6/- per ton or 20 per cent ad valorem whichever is higher.

Switches and Crossings for rails 30 lbs. per yd—(1) of British manufacture—Rs 17 per ton or 10 per cent ad valorem whichever is higher, (2) not of British manufacture Rs 49 per ton.

Sleepers—Rs. 5½ per ton.

Spikes (other than Dogspikes) and tie bars—(1) of British manufacture—Rs 15½ per ton or 10 per cent ad valorem whichever is higher, (2) not of British manufacture—Rs 44½ per ton Dogspikes (1) of British manufacture—Rs 6 per ton plus 7 annas per cwt, or 10 per cent ad valorem, whichever is higher, (2) not of British manufacture—Rs. 6 per ton plus Rs. 2-15 per cwt.

Iron or Steel barbed or stranded wire and wire rope—20 per cent. ad valorem—U K 10 per cent. ad valorem

Iron or Steel wire, other than barbed, or stranded wire, wire rope or wire netting, and iron or steel wire nails—(1) of British manufacture—Rs. 31 per ton, (2) not of British manufacture Rs 66 per ton.

Enamelled iron ware—30 per cent ad valorem. U. K 20 per cent ad valorem.

Copper, wrought, and manufactures of copper, all sorts not otherwise specified—30 per cent ad valorem, U K 20 per cent ad valorem.

German Silver including nickel silver—30 per cent ad valorem; U. K 20 per cent ad valorem

Aluminum-circles sheets and other manufacture not otherwise specified—30 per cent ad valorem, U. K 20 per cent ad valorem

Lead sheets for tea chests—25 per cent ad valorem.

Zinc or spelter, wrought or manufactured, not otherwise specified—30 per cent ad valorem, U K 20 per cent ad valorem.

Tin, Block—Rs 312/8 per ton.

Brass, bronze and similar alloys, wrought, and manufactures thereof not otherwise specified—30 per cent ad valorem. U. K 20 per cent ad valorem

Hardware, ironmongery and tools, all sorts not otherwise specified including incandescent mantles but excluding machine tools and agricultural implements—30 per cent ad valorem, U K 20 per cent ad valorem

Cutlery all sorts, not otherwise specified—30 p c ad valorem, U. K: 20 p.c. ad valorem.

Buckets of tinned or galvanized iron and pruning-knives—25 per cent ad valorem

Metal furniture and cabinetware—30 per cent ad valorem, U. K. 20 per cent ad valorem

Printing type—One anna and three pies per lb.

Leads, brass rules, wooden and metal quoins, shooting sticks and galleys and metal furniture—2½ per cent ad valorem.

MACHINERY, APPARATUS & ELECTRICAL GOODS.

Textile machinery and apparatus—10 per cent ad valorem

Printing and Lithographic Materials—10 per cent ad valorem

Domestic Refrigerators—30 per cent ad valorem, U. K 20 per cent. ad valorem

Component parts of machinery—10 per cent ad valorem.

Machinery and component parts thereof, meaning machines or

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parts of machines to be worked by manual or animal labour, not otherwise specified and any machines which require for the operation less than one quarter of one brake-horse power—30 per cent. ad valorem; U. K: 20 per cent. ad valorem

Water-lifts, sugar mills, sugar centrifuges, sugar pug mills, oil presses and parts thereof (for manual and animal power)—Free.

Agricultural Implements—Free

Dairy and Poultry Farming Appliances namely cream separators, etc.—Free

Electrical Instruments, apparatus, appliances—30 per cent ad valorem, U. K. 20 per cent ad valorem

Rubber-insulated copper wire and cables—6½ per cent ad valorem

SCIENTIFIC INSTRUMENTS, WATCHES & MUSICAL INSTRUMENTS.

Instruments, apparatus and appliances other than electrical, all sorts not otherwise specified including photographic, scientific, philosophical and surgical—30 p c ad valorem, U. K. 20 p c ad valorem.

Optical instruments, apparatus and appliances—25 p c ad valorem.

Clocks and watches and parts thereof—50 per cent ad valorem.

Musical Instruments and parts thereof all sorts not specified—50 per cent ad valorem, U. K. 40 per cent ad valorem

The following Musical Instruments, namely complete organs and harmoniums and records for talking machines—50 per cent ad valorem

MISCELLANEOUS.

Brushes, all sorts—30 per cent. ad valorem; U. K. 20 per cent. ad valorem

Toys, games, playing cards and requisite for games and sports, bird shot, toy cannons—50 p c ad valorem, U. K. 10 p c ad valorem

Buttons, metal—30 p c. ad valorem, U. K. 20 p c ad valorem

All other articles not otherwise specified including articles imported by post—25 p c ad valorem

EXPORT TARIFF.

Raw Jute—(1) Cuttings Re 1/1 as per Bale of 100 lbs (2) All other descriptions Rs 4-8 per Bale of 400 lbs

Jute Manufactures, when not in actual use as coverings, receptacles or bindings, for other goods—

(1) Sacking (cloth bags, twist, yarn, rope and twine) Rs 20 0 per ton of 22,40 lbs (2) Hessians and all other descriptions of jute manufactures not otherwise specified Rs 32-0 per ton of 2,240 lbs

Rice—Rice husked or unhusked, including rice flour but excluding rice bran and rice dust which are free—2½ as per md of 82 2/7 lbs

EXCISE DUTY.

Khandari Sugar—Rs 1 per cwt.

All other sugar except palmyra sugar—Rs. 2/- per cwt.

Kerosene oil—2 as 9½ pies per Imperial gallon.

Salt—Rs. 1/9/- per md.

Motor Spirit—10 annas per Imperial gallon

Matches—(1) In boxes or booklets containing on an average 40 matches—Rs 1 per gross, (2) Do Containing more than 40 but less than 60 sticks—Rs 1/8/- per gross, (3) Do Containing more than 60 but less than 80 matches—Rs 2/- per gross, (4) All other matches—4 annas for every 1,440 matches or fraction thereof, (5) Bengal Matches—Free

Silver—3 as per oz

Steel ingots—Rs 4/- per ton.

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INDIAN INCOME TAX ACT.

(ACT XI OF 1922, AS AMENDED).

Indian Income Tax Act applies to all incomes, profits or gains from the following heads of incomes provided the income accrues or arises or is received in British India, or is, under the provisions of this Act, deemed to accrue or arise or to be received in British India —

- (I) Salaries.
- (II) Interest on Securities.
- (III) Property.
- (IV) Business.
- (V) Professional earnings.
- (VI) Other sources.

The aggregate amount of an assessee's income-tax chargeable under each of the heads (I) to (VI) shall be the taxable income of the assessee and tax thereon shall be levied at the rate specified below.

Provided that, where the assessee is a company or a registered firm constituted under a registered instrument of partnership specifying the individual shares of the partners and the taxable income of such company or firm irrespective of the amount, income-tax shall be levied at the maximum rate specified in Part I.

"Registered firm" means a firm constituted under an instrument of partnership specifying the individual shares of the partners of which the prescribed particulars have been registered with the Income-Tax Officer in the prescribed manner.

Where owing to the fact that the total income of any assessee has reached or exceeded a certain limit, he is liable to pay Income-tax at a higher rate, the amount of Income-tax payable by him shall, where necessary, be reduced so as not to exceed the aggregate of the following amounts, namely —

(a) the amount which would have been payable if his total income had been a sum less by one rupee than that limit, and

(b) the amount by which his total income exceeds that sum.

Super tax is levied at rates specified in Part II when the yearly income exceeds Rs. 30,000.

PART I. RATES OF INCOME-TAX.

A In the case of every individual, Hindu undivided family, unregistered firm and other association, not being a registered firm or a Company.

| | | |
|---|---|-----------------------|
| (1) When the total income is Rs. 2,000 | — | |
| or upwards, but is less than Rs. 5,000 | — | 6 pies* in the rupee. |
| (2) When the total income is Rs. 5,000 | — | |
| or upwards, but is less than Rs. 10,000 | — | 9 pies* in the rupee. |
| (3) When the total income is Rs. 10,000 | — | One anna ¹ |
| or upwards, but is less than Rs. 15,000 | — | in the rupee |
| (4) When the total income is Rs. 15,000 | — | One anna and 4 pies* |
| or upwards, but is less than Rs. 20,000 | — | in the rupee. |

*The surcharges on these rates are one-twelfth of the amount of the rate

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| | | |
|--|-----|-------------------------------------|
| (5) When the total income is Rs. 20,000 | --- | One anna and 7 pies* |
| or upwards, but is less than Rs. 30,000 | -- | in the rupee |
| (6) When the total income is Rs. 30,000 | --- | One anna and 11 pies* |
| or upwards, but is less than Rs. 40,000 | -- | in the rupee, |
| (7) When the total income is Rs. 40,000 | - | Two annas and 1 pie* |
| or upwards, but is less than Rs. 1,00,000 | - | in the rupee |
| (8) When the total income is Rs. 1,00,000 | - | Two annas and 2 pies* |
| or upwards | --- | in the rupee |
| B In the case of every company and registered firm whatever its total income | -- | Two annas and 2 pies* in the rupee. |

REFUNDS

(1) If a share holder in a company who has received any dividend therefrom satisfies the Income-tax Officer that the rate of income-tax applicable to the profits or gain of the company at the time of the declaration of such dividend is greater than the rate applicable to his total income of the year in which such dividend was declared, he shall, on production of the certificate received by him under the provisions of Section 20, be entitled to a refund on the amount of such dividend (including the amount of the tax thereon) calculated at the difference between those rates

(2) If a member of a registered firm satisfies the Income-tax Officer that the rate of Income-tax applicable to his total income of the previous year was less than the rate at which Income-tax has been levied on the profits or gains of the firm of that year, he shall be entitled to a refund on his share of those profits or gains calculated at the difference between those rates

(3) If the owner of a security from the interest on which, or any person from whose salary, income-tax has been deducted in accordance with the provision of Section 18, satisfies the income-tax Officer that the rate of Income-tax applicable to his total income of the previous year was less than the rate at which income-tax has been charged in making such deduction in that year, he shall be entitled to a refund on the amount of interest or salary for which such deduction has been made, calculated at the difference between those rates

PART II
RATES OF SUPER-TAX

In respect of the excess over thirty thousand rupees of total income —

I In the case of every company:

- (a) In respect of the first Rs. 20,000 of such excess — Nil
- (b) For every rupee of income exceeding Rs. 50,000 — One anna† in the rupee

II (a) In the case of every Hindu undivided family:—

- (1) In respect of the first forty-five thousand rupees of such excess — Nil
- (2) For every rupee of the next fifty thousand rupees of such excess — One anna and 3 pies† in the rupee
- (b) In the case of every individual, unregistered firm and other association of individuals not being a registered firm or a company —

*The surcharges on these rates are one-twelfth of the amount of the rate

†The actual super-taxes are the specified rates increased by one-twelfth of the amount of the rate in each case

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-
- (1) For every rupee of the first Rs. 20,000 of such excess — — — 9 pies† in the rupee.
- (2) For every rupee of the next Rs. 50,000 of such excess — — — One anna and 3 pies* in the rupee.
- (c) In the case of every individual, Hindu undivided family, un-registered firm and other association of individuals not being a registered firm or a company:—
- (1) For every rupee of the fifty thousand rupees of such excess — — — One anna and 9 pies* in the rupee.
- (2) For every rupee of the next fifty thousand rupees of such excess — — — Two annas and 3 pies* in the rupee.
- (3) For every rupee of the next fifty thousand rupees of such excess — — — Two annas and 9 pies* in the rupee.
- (4) For every rupee of the next fifty thousand rupees of such excess — — — Three annas and 3 pies* in the rupee.
- (5) For every rupee of the next fifty thousand rupees of such excess — — — Three annas and 9 pies* in the rupee.
- (6) For every rupee of the next fifty thousand rupees of such excess — — — Four annas and 3 pies* in the rupee.
- (7) For every rupee of the next fifty thousand rupees of such excess — — — Four annas and 9 pies* in the rupee.
- (8) For every rupee of the next fifty thousand rupees of such excess — — — Five annas and 3 pies* in the rupee.
- (9) For every rupee of the next fifty thousand rupees of such excess — — — Five annas and 9 pies* in the rupee.
- (10) For every rupee of the remainder of the excess — — — Six annas and 3 pies* in the rupee.

PROVISIONS IN FINANCE ACT.

The Finance Bill makes the following provisions with regard to the collection of income-tax

The Bill provides that income from salaries and interest on securities should finally be taxed for the purposes of income-tax and not super-tax at rates applicable to the total income of the like amount which was in force at the time when taxation at source on these incomes took place. Otherwise salary earners, for example, would be able not only to secure the advantage of reduced rates during 1936-37 but also obtain the refund part of the tax which had been deducted from their salaries during 1935-36.

It also makes similar provision for purposes of refunds under sub-section (1) or sub-section (3) of section 48 in respect of dividends in the year ended March 31, 1936 or payments made in the said year of salaries or of interest on securities. These provisions form a counter-part of the concession that has been allowed from time to time in the past when the rates of income-tax were being enhanced.

*The actual super-taxes are the specified rates increased by one-twelfth of the amount of the rate in each case.

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INDIAN STAMP DUTIES.

The stamp head of revenue has been divided mainly under two categories, viz., judicial and commercial. On the eve of the introduction of the Montagu-Chelmsford Reforms, the question arose as to the allotment of stamps as a source of revenue. The authors of the Joint Report suggested that judicial stamps should be made over to the provinces, but commercial stamps should be retained by the Central Government. The Meston Committee recommended that both sorts of stamps should constitute sources of provincial revenue. The Parliamentary Joint Committee agreed with this recommendation, and under the Devolution Rules, non-judicial stamps became provincial, in addition to the judicial stamps, subject to legislation by the Central Legislature in the former case.

ACKNOWLEDGMENT of a debt exceeding twenty rupees in amount or value, written or signed by, or on behalf of, a debtor in order to supply evidence of such debt in any book (other than a banker's pass-book) or on a separate piece of paper when such book or paper is left in the creditor's possession provided that such acknowledgment does not contain any promise to pay the debt or any stipulation to pay interest or to deliver any goods or other property — Anna 1

ADMINISTRATION-BOND, including a bond given under section 256 of the Indian Succession Act, 1865, section 6 of the Government Savings Banks Act, 1873, section 78 of the Probate and Administration Act, 1881, or section 9 or section 10 of the Succession Certificate Act, 1889—

(a) where the amount does not exceed Rs 1,000; the same duty as a Bond for such amount

(b) in any other case — Rs 5 0

AGREEMENT OR MEMORANDUM OF AN AGREEMENT—

(a) if relating to the sale of a bill of exchange — As 2

(b) if relating to the sale of a Government security, or share in an incorporated company or other body corporate

Subject to a maximum of ten rupees, one anna for every Rs 10,000 or part thereof of the value of the security or share

(c) if not otherwise provided for — As 8

ARTICLES OF ASSOCIATION OF A COMPANY — Rs 25 0

APPRAISEMENT or valuation made otherwise than under an order of the Court in the course of a suit—

(a) where the amount does not exceed Rs 1,000, the same duty as a Bond for such amount.

(b) in any other case — Rs 5 0

APPRENTICESHIP-DEED, including every writing relating to the service or tuition of any apprentice, clerk or servants placed with any master to learn by profession, trade or employment, not being Articles of clerkship — Rs 5 0

APPRAISEMENT or valuation made otherwise than under any company not formed for profit and registered under Section 26 of the Indian Companies Act, 1882 — Rs 25 0

AWARD, that is to say, any decision in writing by an arbitrator or umpire, not being an award directing a partition on a reference

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made otherwise than by an order of the Court in the course of a suit—

(a) where the amount or value of the property to which the award relates as set forth in such award does not exceed Rs. 1,000 the same duty as a Bond for such amount.

(b) in any other case ————— Rs. 5 0
BILL OF EXCHANGE not being a bond, bank note or currency note—

(a) where payable on demand ————— Anna 1
(b) where payable otherwise than on demand, but not more than one year after date or sight at the following rates—

| | If drawn For each part singly. | | For each part when in set of three. | | For each part when in set of two. | |
|---|--------------------------------|----|-------------------------------------|----|-----------------------------------|----|
| | Rs. As. | | Rs. As. | | Rs. As. | |
| if the amount of the bill or note does not exceed Rs 200 — | 0 | 3 | 0 | 2 | 0 | 1 |
| if it exceeds Rs. 200 and does not exceed Rs 400 — | 0 | 6 | 0 | 3 | 0 | 2 |
| if it exceeds Rs 400 and does not exceed Rs 600 — | 0 | 9 | 0 | 5 | 0 | 3 |
| if it exceeds Rs 600 and does not exceed Rs. 800 — | 0 | 12 | 0 | 6 | 0 | 4 |
| if it exceeds Rs. 800 and does not exceed Rs. 1,000 — | 0 | 15 | 0 | 8 | 0 | 5 |
| if it exceeds Rs 1,000 and does not exceed Rs. 1 200 — | 1 | 2 | 0 | 9 | 0 | 6 |
| if it exceeds Rs 1,200 and does not exceed Rs. 1,600 — | 1 | 3 | 0 | 12 | 0 | 8 |
| if it exceeds Rs 1,600 and does not exceed Rs 2,500 — | 2 | 4 | 1 | 2 | 0 | 12 |
| if it exceeds Rs. 2,500 and does not exceed Rs 5,000 — | 4 | 8 | 2 | 4 | 1 | 8 |
| if it exceeds Rs. 5,000 and does not exceed Rs. 7,500 — | 6 | 12 | 3 | 6 | 2 | 4 |
| if it exceeds Rs. 7,500 and does not exceed Rs. 10,000 — | 9 | 0 | 4 | 8 | 3 | 0 |
| if it exceeds Rs 10,000 and does not exceed Rs. 15,000 — | 13 | 8 | 6 | 12 | 4 | 8 |
| if it exceeds Rs 15,000 and does not exceed Rs 20,000 — | 18 | 0 | 9 | 0 | 6 | 0 |
| if it exceeds Rs. 20,000 and does not exceed Rs. 25,000 — | 22 | 8 | 11 | 4 | 7 | 8 |
| if it exceeds Rs 25,000 and does not exceed Rs 30,000 — | 27 | 0 | 13 | 8 | 9 | 0 |
| and for every additional Rs. 10,000 or part thereof in excess of Rs. 30,000 — | 9 | 0 | 4 | 8 | 3 | 0 |

(c) where payable at more than one year after date or sight. The same duty as a Bond for the same amount.

BILL OF LADING (including a through bill of lading) — As. 4

N. B.—If a bill of lading is drawn in parts, the proper stamp therefor must be borne by each one of the set.

BOND not being a debenture and not being otherwise provided for by this Act, or by the Court-fees Act, 1870—

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| | | | |
|--|---------|---------------------|---------------------|
| where the amount of value secured does not exceed | Rs. 10 | — | As 2 |
| when it exceeds | Rs. 10 | but does not exceed | Rs. 50 — As 4 |
| " | Rs. 50 | " | Rs. 100 — As 8 |
| " | Rs. 100 | " | Rs. 200 — Re 1 |
| " | Rs. 200 | " | Rs. 300 — Re. 1-8 |
| " | Rs. 300 | " | Rs. 400 — Rs. 2 0 |
| " | Rs. 400 | " | Rs. 500 — Rs. 2 8 |
| " | Rs. 500 | " | Rs. 600 — Rs. 3 0 |
| " | Rs. 600 | " | Rs. 700 — Rs. 3-8 |
| " | Rs. 700 | " | Rs. 800 — Rs. 4-0 |
| " | Rs. 800 | " | Rs. 900 — Rs. 4-8 |
| " | Rs. 900 | " | Rs. 1,000 — Rs. 5 0 |
| and for every Rs 500 or part thereof in excess of Rs 1,000 | | | Rs. 2-8 |

CHARTER-PARTY, that is to say, any instrument (except an agreement for the hire of a tug-steamer) whereby a vessel or some specified principal part thereof is let for the specified purposes of the Charter, whether it includes a penalty clause or not — Re 1

CHEQUE — — — — — Free.

DELIVER ORDER IN RESPECT OF GOODS, that is to say, any instrument entitling any person therein named, or his assigns or the holder thereof, to the delivery of any goods lying in any dock or part, or in any warehouse in which goods are stored or deposited on rent or hire, or upon any wharf, such instrument being signed by or on behalf of the owner of such goods, upon the sale or transfer of the property therein, when such goods exceed in value twenty rupees — Anna 1

LETTER OF ALLOTMENT OF SHARES in any company or proposed company, or in respect of any loan to be raised by any company or proposed company — As 2

LETTER OF CREDIT, that is to say, any instrument by which one person authorises another to give credit to the person in whose favour it is drawn — As 2

MEMORANDUM OF ASSOCIATION OF A COMPANY—

- (a) if accompanied by articles of association under Section 37 of the Indian Companies Act 1882 — Rs 15
(b) if not so accompanied — Rs 40

NOTARIAL ACT that is to say, any instrument, endorsement note, attestation, certificate or entry not being a Protest made or signed by a Notary Public in the execution of the duties of his office, or by any other person lawfully acting as a Notary Public — Re 1

NOTE OR MEMORANDUM sent by a Broker or Agent to his principal, intimating the purchase or sale on account of such principal—

- (a) of any goods exceeding in value twenty rupees — As 2
(b) of any stock or marketable security exceeding in value twenty rupees —

Subject to a maximum of ten rupees, one anna for every Rs 10,000 or part thereof of the value of the stock or security.

PARTNERSHIP—

A—Instrument of

- (a) where the capital of the partnership does not exceed Rs 500 — Rs 2-8
(b) in any other case — Rs 10

B—Dissolution of

- Rs 5

POLICY OF INSURANCE—

A—Marine—

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- (i) Where the premium or consideration does not exceed the rate of two annas or one eighth per centum of the amount insured by the policy — Anna 1
 (ii) in any other case, in respect of every full sum of one thousand rupees and also any fractional part of one thousand rupees insured by the policy — Anna 1

B. For time—

In respect of every full sum of Rs 1,000 and also any fractional part of Rs 1,000 insured by the policy—

- (a) where the insurance shall be made for any time not exceeding six months — As 2
 (b) where the insurance shall be made for any time exceeding six months and not exceeding twelve months — As 4

C.—Fire Insurance and Other Classes of Insurance, not elsewhere included in this Article, covering goods, merchandise, personal effects, crops and other property against loss or damage—

(1) in respect of an original policy—

- (i) when the sum insured does not exceed Rs. 5,000 — As. 8
 (ii) in any other case — Re. 1

(2) in respect of each receipt for any payment of a premium on any renewal or an original policy—One-half of the duty payable in respect of the original policy in addition to the amount.

D—Life Insurance or Other Insurance.

For every sum insured not exceeding Rs. 1,000, and also for every Rs. 1,000 or part thereof insured in excess of Rs 1,000

- (i) if drawn singly — As. 6
 (ii) if drawn in duplicate, for each part — As. 3

PROMISSORY NOTE —

(a) when payable on demand—

- (i) when the amount or value does not exceed Rs. 250 Anna 1
 (ii) when the amount or value exceeds Rs. 250 but does not exceed Rs. 1,000 — As. 2
 (iii) in any other case — As. 4

(b) when payable otherwise on demand, the duty is the same as a Bill of Exchange

PROTEST OF BILL OR NOTE, that is to say, any declaration in writing made by a Notary Public, or other person lawfully acting as such, attesting the dishonour of a bill of exchange or promissory note — Re. 1

RECEIPT for any money or other property, the amount or value of which exceeds twenty rupees — Anna 1

WARRANT FOR GOODS, that is to say, instrument evidencing the title of any person therein named, or his assigns, or the holder thereof to the property in any goods lying in or upon any dock, warehouse, or wharf, such instrument being signed, or certified, by or on behalf of the person in whose custody such goods may be — As. 4

REGISTRATION FEES OF DOCUMENTS.

| | | | | | |
|---|---------|---|-----------|---|----|
| When the value does not exceed | Rs. 50 | — | — | 0 | 8 |
| When the value exceeds Rs. 50 but does not exceed | Rs. 100 | — | — | 0 | 12 |
| " " " Rs. 100 | " | " | Rs. 250 | — | 1 |
| " " " Rs. 250 | " | " | Rs. 500 | — | 1 |
| " " " Rs. 500 | " | " | Rs. 1,000 | — | 2 |
| For every additional Rs. 1,000 or part | — | — | — | — | 1 |
| If no consideration expressed | — | — | — | — | 10 |

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THE MONEY MARKET.

INDIAN MONETARY SYSTEM.

THE MOGHUL system of currency was distinguished by the large number of mints, scattered all over the country, from which coins were issued. The principal gold coin was called the S'hansah but twenty five other gold coins were also in circulation. The gold coins, however, were not so much in use as the silver ones. Of the latter the most important coin was the "Rupee" round in shape and weighing $11\frac{1}{2}$ mashas (almost the same weight as that of our present 'rupee,' which is 12 mashas). This was first introduced in the reign of Sher Shah but was greatly improved by Akbar. Another silver coin, first issued by Akbar, was the Jalalah which had the same weight and impression as the rupee but was square in shape. Then there were seven other subsidiary coins, the smallest silver piece being the Sukt which was $\frac{1}{20}$ rupee. There were copper coins too in circulation, beginning with the Dam, forty of which went to the rupee. The smallest copper coin was the Damri ($\frac{1}{8}$ dam). Besides these, there were a large number of coins issued by the other independent chiefs. Even in the beginning of the nineteenth century four different rupees were current—the Murshudabad rupee of the nineteenth year of Shah Alam's reign, weighing $179\frac{1}{2}$ grains (175.9 grains pure silver), which was known as the sikka rupee, the Surat rupee, containing 164.7 grains of pure silver, the Arcot rupee of 166.5 grains pure silver, when first coined at the mint of Fort St George, and the Lucknow rupee of the Viceroy of Oudh, containing 165.2 grains of pure silver when it was adopted for coinage at the Farukhabad mint. The sikka rupee was the principal standard of value. Besides these, there were also various gold coins—the gold Mohur of Bengal, the old Bombay Mohur, the Bombay gold rupee, various pagodas of Madras (e.g. the Stai pagoda, the old pagoda and the Porto Novo pagoda), also the gold rupee, half-rupee and quarter rupee which took the place of Madras pagodas under a regulation of 1818.

In 1835 a uniform currency was established in the whole of India, when the Madras rupee, approximately equal in value to that of Bombay and Farukhabad, weighing 180 grains, out of which 165 grains were pure silver (i.e. $\frac{11}{12}$ ths. fine), was adopted as the standard for the whole of the Company's dominions in India. From the year 1862 the Government rupee, being exactly of the same weight and fineness, replaced the old East India Company's rupee as well as others which were in circulation.

The principal gold coin of British India was the gold Mohur which was exactly of the same weight and fineness as the silver rupee. Besides this, a double Mohur, a $\frac{2}{3}$ Mohur and $\frac{1}{3}$ Mohur were also supplied by the Mints of British India. These however ceased to circulate since 1866 when the Government of India laid down that silver should be the universal money of account in India.

As matters now stand silver is the standard metal for coinage in India. The chief coin is the rupee weighing 180 grains. Troy or 1 tola

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11/12 fine (i.e. 165 grains fine silver to 15 grains alloy). The next in value is the 8-anna piece or $\frac{1}{2}$ rupee weighing 90 grains Troy silver 11/12 fine; 4-anna piece or $\frac{1}{4}$ rupee and 2-anna piece or $\frac{1}{2}$ rupee containing proportionate weights of silver of the same degree of fineness as the rupee. Token coins of nickel of the denomination of 1-anna, 2-anna and 4-anna are also in circulation. The bronze coins are 2-pice piece, 1-pice piece, $\frac{1}{2}$ -pice piece and 1 pie. Silver 4-anna pieces and 2-anna pieces are still found in circulation in the market.

The old sikka rupee, a rupee of account known as current rupee commonly adopted by the East India Company, and the Government rupee sometimes occur in the description of the history of the Money Market and may lead to confusion. A conversion table here follows —

100 Government rupees = 93 $\frac{1}{2}$ sikka rupees = 108 $\frac{1}{2}$ current rupees.

100 Sikka rupees = 106 $\frac{1}{2}$ Government rupees = 116 current rupees.

100 current rupees = 91.95 Government rupees = 86.20 sikka rupees.

BRITISH INDIAN MONETARY UNITS.

| | | | |
|-------------------|-------------|-----------|------------|
| 1 Pie | | Marked P. | per value. |
| 3 Pies | make 1 Pice | " PS. | " " |
| 4 Pice or 12 Pies | " 1 Anna | " A. | " " |
| 16 Annas | " 1 Rupee | " R. | " " |

Currency notes were also issued till lately by the Government of India in denominations of 5, 10, 50, 100, 1,000 and 10,000 rupees.

The rupee and $\frac{1}{2}$ rupee are legal tender in payment or on account. The other coins are legal tender for any sum not exceeding 1 rupee. Notes in denominations of 5, 10, 50 and 100 were legal tender throughout British India but notes for 500, 1,000 and 10,000 had been at first legal tender in their respective circles, viz., Calcutta, Madras, Bombay, Rangoon, Lahore, Cawnpore and Karachi, but they were encashable anywhere in the country. The Paper Currency system of India were. It may be noted, dated from 1861 when the previously existing notes of the Presidency Banks which had only a restricted circulation, were withdrawn and the Government monopoly of Note issue was established.

The paper currency system of India has recently undergone a complete overhaul. Since the inauguration of the Reserve Bank of India in April 1935, the sole right of note issue has been given over to the Bank. The Governor-General in Council no longer issues any currency note. The Reserve Bank issues bank notes of rupees 5, 10, 50, 100, 500, 1,000 and 10,000 in denomination and manages the old currency notes on a par with bank notes. Bank note of all denominations are legal tender in any place in British India.

HISTORY OF THE RUPEE EXCHANGE.

The course of the rupee exchange was formerly determined by the gold price of the silver contents of the rupee. So long the bullion values of silver and gold stood undisturbed, no difficulty was felt in maintaining the rupee exchange steady. But with the demonetisation of silver in Germany and Latin Union coupled with the over-production of silver, the price of silver depreciated much and the rupee exchange underwent a violent fall. A Committee presided over by Lord Herschell, sat to investigate upon the monetary situation. Following its recommendations a notification was issued on June 26, 1893, by which Government undertook to give rupees in exchange for gold (753344 grains of fine gold per rupee, i.e. at the rate of £1 = Rs 15). This was the first break of the exchange value of the rupee from the market value of the silver. It was also contemplated to open the mints to the free coinage of gold when suitable opportunity presented itself.

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On certain proposals made by the Government of India for the establishment of gold standard in India, another Committee, presided over by Sir Henry Fowler, was appointed in 1898 to examine into the existing monetary system to recommend on the policy to be pursued in future. The Committee recommended that the Indian mints should continue closed to the unrestricted coinage of silver and should be opened to the unrestricted coinage of gold, the sovereign should be made a legal tender and current coin, the ratio between the sovereign and the rupee should be $\text{£}1 = \text{Rs. } 15$, or $\text{Re } 1 = 1\text{s. } 4\text{d}$; the profit on the coinage of rupee should be held in gold as a special reserve. The Committee thus contemplated the introduction of the gold standard and gold currency in India but since 1899 the Government of India drifted into a monetary standard which has been called the Gold-Exchange Standard, owing mainly to the opposition of the British Treasury, and India had to be satisfied with rupee which was nothing more or less than a silver for 1s 4d gold.

A Royal Commission on Indian Currency and Exchange, known as Chamberlain Commission, was appointed in 1913. The findings of the Commission went to support the measures adopted by the Government for maintaining the exchange value of the rupee. Among the minor alterations proposed were the prompt selling of Reserve Councils and the abolition of the silver branch of the Gold Standard Reserve.

The Great War had a serious repercussion on the price level and the Indian exchange. In view of shortage of silver an Ordinance was promulgated on June 29, 1917 requiring all gold imported into India to be sold to Government at a price based on the sterling exchange value of the Indian rupee. The gold thus acquired was put to the Rupee Currency Reserve as a backing for the issue of additional notes. A branch of the Royal Mint was opened in Bombay in August 1918 where 2,110,000 gold mohurs and 1,295,000 sovereigns were coined. Another Committee, known as Babington Smith Committee, was appointed on May, 30, 1919. It was decided to link the rupee with the gold sovereign at the rate of Rs 10 to 1 sovereign, i.e., 1 rupee for 11,800.16 grains of gold. This was brought into effect as from February 2, 1920 and sovereigns were declared legal tender at the rate of Rs 10 each. Various charges were instituted in the Paper Currency Act and it also laid down the ratio for the issue of currency notes against sovereign and half-sovereigns at the new rate fixed.

This history of the Indian currency subsequent to the adoption of the Babington Smith Committee Report proved disastrous to India. The post-war boom came suddenly to a close. The exchange could not be maintained at 2s gold which at that time meant nearly 3s sterling. The advantage was taken of the high exchange by the European community to remit to England the great profits which it had made during the War. When the attempt to hold the exchange at 2s gold failed, efforts were made to hold it at 2s sterling. But these also failed. During the whole of this period reverse councils to exchange at any rate were then abandoned.

A new history opened with the resumption of sterling with gold. This was in June, 1925. A Commission, presided over by Rt Hon. Hilton Young, was appointed in August, 1925. The Commission reported in July 1926 recommending by a majority stabilisation at 1s 6d and a currency standard named by the Commission as the Gold Bullion Standard, meaning thereby that gold in quantities not less than 1065 tola's at a time should be obtained in exchange of Indian currency. In putting effect to these recommendations, the Indian Currency Act of

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1927 was passed; and it came into force on April 1, 1927. But so far as the sale of gold was concerned, the Government did not fully adhere to the Commission's recommendations. The Government of India would only sell gold, or at the option of the Government sterling, for immediate delivery in London. The new system could thus be called **Gold Bullion cum Gold Exchange Standard**. The Act among others demonetised in India the British sovereign and half-sovereign and provided that such coins should be received at any Government Treasury at the bullion value of such coins calculated at the rate of 8 47512 grains of fine gold per rupee.

Events took a new turn with the suspension by Great Britain on September 21, 1931 of the operation of the British Gold Standard Act of 1925 which required the Bank of England to sell gold at a fixed price. Immediately the Governor General by his own executive power, promulgated Ordinances the result of which was the suspension of the Indian Act of 1927 and denunciation of the obligation to sell gold. Only sterling was to be sold to recognised banks at about 1s. 6d. parity, and that by limited quantities so that the exchange could not fall far below this ratio. The new system, which still exists, can thus be called a **Controlled Sterling Exchange Standard**, although control is no longer required, being made unnecessary by large flow of gold out of the country as a result of the new currency policy and consequent rise of exchange.

The latest feature is the change in the venue of administration of the Indian currency standard. The task has been handed over to the newly inaugurated Reserve Bank through which all rupee coins are issued and upon which has been placed the obligation of selling and buying sterling amounting to no less than ten thousand pounds sterling, at rates between 1s. 5-49/64d. and 1s. 6-3/16d corresponding to the lower and upper gold point.

EXCHANGE VALUE OF MONEYS.

The exchange value of the moneys on any particular date is determined in countries having different monetary units by the rate of exchange holding on that day. Indian newspapers publish daily quotations of foreign exchanges on such centres as London, New York, Paris, Japan, Java, Shanghai, Hongkong, Singapore and Germany. The mode of quoting the various rates will be seen below —

The exchange quotations appearing under the Foreign market columns of the Indian newspapers generally represent the number of standard coins that are equivalent to one sovereign. For example, London exchanges on New York, Paris, Germany, Norway, Sweden, etc., are given in their respective standard coins per pound sterling. But in some cases, e.g., Portugal, India, China, Japan, etc., the quotations are expressed the other way round, i.e., in pence per monetary units in circulation in these countries.

METHOD OF QUOTATION.

Exchange is quoted in India on the following basis.—

On London—T. T. (Telegraphic Transfer) in shillings and pence per rupee

“ —O. D. (On Demand) in shillings and pence per rupee.

“ —3 m-st (3 months' sight) in shillings and pence per rupee

On France—in francs per Rs 100.

On Germany—in marks per Rs. 100.

On Java—in guilders per Rs. 100.

On America—in rupees per 100 dollars.

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On Hongkong—in rupees per 100 dollars.
 On Shanghai—in rupees per 100 taels.
 On Singapur—in rupees per 100 dollars.
 On Japan—in rupees per 100 yens.
 The London-New York cross rate is expressed in dollars per £ sterling.

FOREIGN MONEYS WITH THEIR ENGLISH EQUIVALENTS.

The lawful and other recognised means of making payments in circulation vary in different countries. The currencies of various countries with their English equivalents follow—

Abyssinia.—1 Menelik \$ (or Talar) = 16 Menelik Piastres = 32 Besa = 100 centimes. Maria Theresa dollars are the coins. Par of Exchange 1 M. \$ = 2s. Italian coins newly introduced.

Aden and Perim.—As British India.

Afghanistan.—1 Afghani = 100 pils. 20 Afghanis = 1 Amania.

Algeria.—As France. 100 centimes = 1 fr. £ 1 = frs. 124 21. Paper currency has been introduced this year. The Revenue will issue notes direct or through Afghan National Bank of the denominations of five, ten, twenty, fifty and hundred rupees. Afghani Note issue is covered by silver bullion, Afghan coins and foreign currency.

Albania.—5 lek = 1 gold franc. Par of exchange £ 1 = 25 22½ gold francs.

Araba.—Indian silver coins and the Maria Theresa silver dollar used. Accounts kept in rupees.

Argentine Republic.—Gold Peso of 100 centavos = 3s 11 58d. \$ 11 45 paper = £ 1. Gold coins in circulation are equivalent to 2½ and 5 peso pieces the latter being known as Argentine. Silver coins are 1 peso, 5, 10, 20 and 50 centavos.

Australia.—As Great Britain.

Austria.—1 schilling is divided into 100 groschen, 34 585 schillings = £ 1. Silver coins are ½, 1 and 2 schilling. Notes for 5, 10, 20, 50, 100, 1,000 schillings are in circulation.

Belgium.—Franc of 100 centimes. 5 francs make 1 belga, 35 belgas = £ 1.

Bolivia.—Gold Boliviano of 100 centavos. £ sterling and £ Peruvian are legal tender. U S \$ is legal currency. £ 1 = 13 33 Bolivianos.

Brazil.—1,000 reis = 1 milreis (paper) = 59 899d. Gold milreis = 2s 2 934d parity value.

British East Africa.—100 cents = 1 shilling (British).

British North Borneo.—Straits Settlements Currency 100 cents = 2s 4d.

Bulgaria.—100 stotinkis = 1 leva, and 412 leva = £ 1 sterling.

Canada (The Dominion of).—100 cents = 1 dollar = 4s 1½d. Par of exchange 4 dollars 86½ cents to the £ sterling.

Ceylon.—The rupee of British India is the Standard. This is divided into 100 cents. Silver Coins rupee, 50 cent piece, 25 cent piece, 10 cent piece. Copper coins 5 cents, 1 cent, ½ cent, ¼ cent.

Chile.—1 gold peso = 100 centavos, 40 pesos = £ 1. Gold coins are 20, 50 and 100 pesos.

China.—10 cash = 1 candareen, 10 candareen = 1 Mace, 10 Mace = 1 tael. The tael is not a coin but a weight of silver, varying in different localities. The Haikwan tael is that adopted and used by the Maritime Customs for all its transactions. It is a book unit with theoretical value equal to Mex \$ 1 50 or 3. Its foreign exchange value is fixed monthly by the Customs. Foreign exchange rates are quoted in Shanghai Tael. Kuping Tael is the Treasury unit for Government accounts, 100 Shanghai Taels = 89 775 Haikwan Taels, 100 Kuping Taels = 109 60 Shanghai Taels, 100 Haikwan Taels = 101 6424.

Kuping Taels = 105 215 Trentsin Tael = 111.40 Shanghai Taels
Dollars. 10 cash = 1 cent, 100 cents = 1 dollar = 1s. 7d. Foreign
dollars are the principal currency of the Treaty Ports. New dollars
are minted with less silver but this does not imply devaluation.
They are merely token currency similar to the legal tender notes.

Colombia (Republic of).—100 centavos = 1 gold peso; 5 pesos = $\frac{1}{2}$ £1.
Gold coins are 2½ and 5 pesos.

Cuba.—As U. S. A. 1 Gold Peso of 1.5046 grammes = 1 U. S. A. dollar
= 100 cents = 4/2d

Czechoslovakia.—The unit of currency is the Czech crown, containing
37.15 mgm. of pure gold. It is divided into 100 haleru or hellers.
Rate of exchange 118.50 Kc = £1 sterling at present. Quotations
appear under the heading London on Prague.

Danzig.—25 D Gulden = £1 sterling. 100 pfennig = 1 D. Gulden.

Denmark.—100 ores = 1 Krone, Gold Coins of 10 and 20 Kroner Par of
exchange is 18.159 Krone to £1 or 1 Krone = 1s. 1½d

Ecuador (Republic of).—Sucre of 100 centavos. Gold coin condor = 25
sucres = 5 U. S. A. dollars. £1 = 24.3325 sucres.

Egypt.—10 milliemes = 1 piastre. Gold 100 piastre piece = £1 Egypt-
ian (£ E 1). 1 Talar = 20 piastres = 4/12. Par of exchange is
97.50 piastres to £1 sterling. Mexican and Spanish dollars are also
in circulation at 20 piastres to the dollar.

Estonia.—Estonian Kroon (written as E Kroon) (E. kr.) divided into
100 cents 18.159 E Kroons (E kr) = £1 sterling.

Federated Malay States.—As Straits Settlements

Finland.—1 gold markka = 100 penni, 193.23 Finnish marks = £1
sterling, Gold coins of 100 and 200 markka.

Fiji Islands.—As Great Britain.

France.—100 centimes = 1 franc. Chief coins are 20, 10 and 5 franc
pieces 124 francs 21 cents = £1 sterling (parity value).

Germany.—100 pfennig = 1 Reichs mark or mark. Gold pieces equivalent
to 20 and 10 marks. Par of exchange is 20.43 marks of £1 ster-
ling.

Greece.—100 lepta = 1 drachma; silver coins are 20 and 10 drachma
pieces; 375 drachmas = £1 sterling (parity value).

Haiti Republic.—U. S. Currency is legal tender. 1 goudie = 100 centi-
mes = \$ 0.20 (U. S. A. currency).

Holland.—100 cent = 1 florin or guilder = 1s. 8d. (approx) Rixdaler
of 2½ florins, gold coins are 10 and 5 gulden pieces. Par of exchange
is 12.107 florins to £1 sterling

Honduras.—100 cents = 1 dollar = 4/2d.

Hongkong.—Mexican or British dollars are in circulation. Other coins
are 50, 20, 10, 5 and 1 cent pieces. 1 British dollar = 2s.—0.19/32d.
(Cf U. S. A. dollar which is equal to 4s. 2d) Par of Exchange
9.76 = £1

Hungary.—100 filler = 1 pengo, 17-18 pengos being equal to £1 sterling
(parity value). 1 gold Pengo = 1.16 currency pengos. Notes in
circulation are for 5, 10, 20, 50, 100, 1,000 pengos.

Iceland.—100 Auror = 1 krona; Par of Exchange £1 = 18.159 Kronur.
Stabilised at 22.15 Kr. since 1925.

Indo-China.—10 francs = 1 piastre

Iran.—1 rial = 100 cents = 20 dinars. Silver coins are 5, 2, 1, and ½
rials, nickel coins for 5, 10 and 20 dinars and copper coins for 1, and
2 dinars. Par of Exchange £1 = Rial 80.

- Iraq.**—1 dinar = 1,000 fils Silver Coins are 20 and 50 fils £ sterling = 1 dinar. 50 fils silver coin and 1 dinar note are popular. 200 fils coin was first issued in June 1933
- Italy.**—100 centesimi = 1 lira, 92.46716 lire being equivalent to £1 sterling and 19 to the dollar, the par value of exchange. Silver coins are 5-lira, 10-lira and 20-lira pieces. Nickel coins include 20, 25 and 50 centesimi pieces. Recently the gold content of the lira is fixed at 4.677 per 100 lire, compared with 7.91
- Japan.**—1,000 rin = 100 sen = 1 yen Gold 20 yen pieces are also current. Par of exchange is 24.58d to the yen. Weight Metric system.
- Java.**—As Holland
- Kenya.**—100 cents = 1 shilling (East African), 20s = £1.
- Latvia.**—100 Santims = 1 lat, 25.22½ lats being stabilised to £1 sterling Metric system of weights used
- Lithuania.**—100 centai = lita, 30 litas being stabilised to £1 sterling.
- Malta.**—As British
- Mauritius.**—100 cents = 1 rupee = 1s 6d
- Mexico.**—100 centavos = 1 peso or Mexican dollar. Par of Exchange is £1 = 9.76 Pesos (\$).
- Netherlands.**—Florin or gulden of 100 cents 12.107 florins being equivalent of £1 sterling, the par of exchange
- New Foundland.**—100 cents = \$ 1. Par of Exchange £1 = \$ 4.865.
- New Zealand.**—As Great Britain
- Norway.**—1 Krone = 100 ore Par of Exchange £1 = Kr. 18.159
- Palestine.**—1,000 Mills = The Palestine Pound (£P). = £1 sterling.
- Paraguay.**—Gold coin is a peso piece divided into 100 centavos = 3/11½d. Par of exchange \$ 5.04 (gold).
- Peru.**—100 centavos = 10 dineros = 1 sol Gold pieces equivalent to 10 soles were known as libra (£P) The par of exchange is 17.35 soles = £1; 1 sol = 28 cents (U S A).
- Philippine Islands.**—50 U S cents = peso (24.066d) Par of Exchange is 9.6 pesos to £1, United States money and the Mexican trade dollar are also current
- Poland.**—100 grosz = 1 zloty, 43.38 zloties being equal to £1 sterling Free dealings in gold are abolished by a special decree
- Portugal.**—100 centavos = 1 escudo (formerly called milreis). 110 escudos being equal to £1 sterling Gold coins are 1, 2, 5 and 10 escudos
- Roumania.**—100 bani (centimes) = 1 leu Palanca = 9 to 9.5 escudos = 2s approximately £1 = 813.6 lei
- Sarawak.**—As Straits Settlements. 100 cents = 1 dollar = 2s 4d (parity value).
- Siam.**—Tical or baht (silver coin) is made up of 10 satangs Par of Exchange Pence to Baht, 21.82.
- Spain.**—100 centimos = 1 peseta; 5 peseta pieces are known as duro. Parity value is 25.22½ pesetas to £1 sterling
- Straits Settlements.**—100 cents = 1 S S dollar = 2s. 4d. Par of Exchange £1 = 8.57.
- Somaliand.**—Based on the Indian rupee.
- Sudan.**—As in Egypt.
- Sweden.**—1 Krona = 100 ore Par of exchange £1 = Kr. 18.159. Gold coins are 20, 10 and 5 kron pieces
- Switzerland.**—100 centimes = 1 Swiss franc Gold coin is a 20 franc piece. Par of exchange is 25.22½ Swiss francs to £1 sterling The legal rates of the notes of the National Bank have been fixed, the higher margin being 34.55 and the lower one 25.94 per cent.

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Turkey.—40 paras = 1 piastre. Gold coin equivalent to 100 piastres is known as lira or Turkish pound (£ T.). The Turkish Pound is stabilised at 12 04 French francs.

U. S. S. R.—The currencies are chervoneiz bank-notes, treasury notes, silver coins, copper and bronze coins. Silver coins circulate in the values of 1 rouble and 50 kopeks (or poltinnik). The legal pure gold content of a chervonetz is ten times that of the rouble 1,000 kopeks = 10 roubles = 1 chervonetz. Par of exchange 25 roubles to a pound sterling. Roubles and kopeks are the sole legal tender within the Soviet Union.

Union of South Africa.—As Great Britain.

United Kingdom.—The sovereign is the standard monetary unit. It weighs 7 98805 grammes, .916 $\frac{2}{3}$ fine or 7 322382 grammes fine gold. The following shows the division of English money 4 farthings = 1 penny, 12 pence = 1 shilling, 20 shillings = 1 pound. Gold coins are five-pound, two pound, sovereign and half sovereign with proportionate weights of gold. The silver coins are crown (436 36362 grains of silver), half crown (218 18181), florin (174 54545), shilling (87 27272), six pence (43 63636) and three pence (21 81818), the figures within the brackets standing for the grains of silver contained in the coin. The fineness of silver coin is 925 per 1000. The bronze coins are penny, half-penny and farthing 1 crown = 5 shillings, 1 florin = 2 shillings. Par of exchange £ 1 = \$ 4 86 $\frac{1}{2}$. Re 1 = 1s 6d sterling.

United States of America.—100 cents = 1 dollar = 4s 2-1/2d. Gold coin equivalent to 10 dollars is known as eagle. Par of exchange is 4 8665 dollars to £ 1 sterling.

Uruguay.—100 centisimos = 1 peso = 3s. 3-1/16d. Currency is silver on gold basis. Argentine gold and European gold are good tender.

Venezuela.—100 centimos = 1 gold bolivar (V. B.). Gold coins of 20, 25 and 100 bolivars. Parity value is 25 2515 V. B. to £ 1 sterling.

West Indies.—As U. S. A. Coins of South American Republics are also current.

Yugoslavia.—100 paras = 1 dinar (Serbian franc), par of exchange being 276 316 dinars to the £ 1 sterling.

Zanzibar.—As British India.

Note.—France, Belgium, Italy, Greece and Switzerland formerly constituted the "Latin Union" and their coins were alike in weight and fineness, occasionally only differing in name. The same system was adopted by Spain, Serbia, Bulgaria, Russia and Roumania though they did not join the Union. Francs and centimes of France, Belgium and Switzerland were respectively designated lire and centesimi in Italy; drachma and lepta in Greece, dinars and paras in Serbia, pesetas and centimes in Spain, leis and banis in Roumania; leva and stotinkis in Bulgaria. The Scandinavian countries, Norway, Sweden, Estonia and Denmark, all employ coins of the same weight and fineness, their name also being alike. Most of the South American States possess a standard coin equal in weight and fineness to the silver 5 franc piece, generally termed a "peso." In Hayti, the corresponding coin is a "gourde."

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WEIGHTS AND MEASURES.

BRITISH INDIAN WEIGHTS.

The Unit of the British Indian Ponderary System is called the Tola. It weighs 180 grains English Troy Weight. From it upwards are derived the heavy weights, viz, Chattaek, Seer and Maund, and by its sub-division the smaller ones meant for jewellers' weights called Mashas, Ruttees and Dhans are calculated.

| | | | | |
|--------------|-------------------|------------------------------|------------------------|-----------------|
| 4 Punkos | = 1 Dhan or grain | = 15-32 grain | Troy = 3-175 dr | Avor. |
| 4 Dhans | = 1 Ruttee | = 1 $\frac{1}{2}$ " | " | = 17-175 dr. " |
| 8 Ruttees | = 1 Masha | = 15 " | " | = 96-175 dr. " |
| 12 Mashas | = 1 Tola | = 7 dwt 12 grains | Troy = 6 102-175 dr. " | |
| 5 Tolas | = 1 Chattaek | = 1 oz. 17 $\frac{1}{2}$ dwt | Troy = 2 2-35 oz " | |
| 16 Chattaeks | = 1 Seer | = 2 $\frac{1}{2}$ lbs | Troy = 2 2-35 lbs " | |
| 40 Seers | = 1 Maund | = 100 " | " | = 82 2-7 lbs. " |

To convert Indian weight into Avordupois —

Multiply the weight in Seers by 72, and divide by 35, the result will be the weight in pound Avordupois, or multiply the weight in Maunds by 36, and divide by 49, the result will be the weight in cwt. Avordupois

BAZAR WEIGHT.

| | |
|---------------------------------|------------------------------------|
| 5 Sicki or Qr R make 1 Kanha | To reduce Bazar weight into |
| 4 Kanecchas " 1 Chattaek | Factory weight add 1-10th. |
| 4 Chattaeks or | To reduce Bazaar weight into |
| 20 Tolas " 1 Powah | cwt., add 1-10th and deduct 1-3rd. |
| 4 Powahs " 1 Seer | of that sum, the remainder will |
| 5 Seers " 1 Pusseree. | be cwt |
| 8 Pusserees or | To convert bazaar maund to |
| 40 Seers " 1 Maund. | factory maund subtract 1/11th |
| 1 Maund = 40 seers = 160 powahs | To reduce Factory Maunds into |
| = 640 chattaeks = 3220 tolas | tons, divide by 30, and the quo- |
| | tient will be the answer. |

Bazar Weight.—16 chattaeks = 1 seer, or 2 lbs 0 oz. 13 drs; and 40 seers = 1 maund, or 82 lbs 2 ozs. 3 drs, 100 Bazaar maunds = 110 Factory maund and 1 $\frac{1}{2}$ Factory maund = 1 cwt. 1 Bazaar maund = 82 127 lbs = 34 85784 kilograms

Factory Weight.—16 chattaeks = 1 seer, or 1 lb. 13 ozs 14 drs, and 40 seers = 1 maund or 74 lbs 10 ozs 11 drs The Indian Maund = 82-2/7 lb avordupois weight 1 factory maund = 74 667 lbs = 33 8689 kilograms.

Provincial Weights.

The words "maund" and "seer" signify different weights in different parts of India. But for railway tariff the maund is taken to be equal to 82-2/7 lbs

Bengal—As British Indian weights

Bombay—1 maund = 40 seers = 28 lbs.

1 candy (average) = 20 maunds = 560 lbs

Sattara candy = 3,055 lbs av

Madras—1 palam = 3,055 lbs av.

1 seer = 8 palams = $\frac{5}{8}$ lb

1 vis = 5 seers = 3 $\frac{1}{2}$ lb.

1 maund = 3 vis = 25 lbs.

1 candy = 20 maunds = 500 lbs

1 Dutch candy = 672 lbs

1 French candy = 536 lbs.

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Burma—2 small Yooway = 1 large Yooway.

4 large Yooway = 1 pai.

2 pai = 1 moo.

2 moo = 1 mat.

4 mat = 1 tical.

100 tical = 1 viss = 3·6 lbs.

Units of Lengths.

1 cubit (hat) = 2 bighats (spans) = 24 anguls = 18 inches.

1 yojana = 4 krosas = 2,000 dandas = 16,000 yds. = 32,000 hats = 9 1/11 miles.

1 karam (Madras) = 3 cubits = 54 in.

1 kathi (Bombay) = 94 ft.

1 vent (Bombay) = 1 bighat = 9 inches.

1 illahi gaj (U. P.) = 33 inches.

Bengal krose = 2 miles 1 furlong 3 poles 3 1/2 yds.

Imperial krose = 2 miles 240 yds.

Cloth Measures.

1 gaj (Bengal) = 16 giras = 48 anguls = 36 inches.

1 gaj (Bombay) = 24 tasus = 27 inches.

1 kovid (Madras) = 18 6 inches.

1 gaj (Poona) = 34 1/5 inches.

Land Measure.

Bengal—1 cattah = 16 chataks = 720 sq. ft.

1 bigha = 20 cattahs = 14,000 sq. ft. = 1,600 sq. yd.

3 1/40 bighas = one acre; 1,936 bighas = 1 sq. mile.

Bombay—1 bigha = 20 pands = 3,927 sq. yds.

1 chahur = 20 rukehs = 120 bighas.

Madras—1 bigha = 6,400 sq. yds.

1 cawni = 24 manaus = 57,600 sq. ft.

Punjab—1 bigha = 4 kanals = 1,620 sq. yds.

1 ghuma = 2 bighas = 3,240 sq. yds.

U. P.—1 bigha = 20 biswas = 3,025 sq. yds.

Benares—1 bigha = 3,036 sq. yds.

Indian Dry Measure.

Bengal—1 maund = 32 rakis = 128 konkies.

1 sai = 2 1/2 mds.

Bombay—1 seer = 2 tipari = 72 tanks = 49 1408 cub. in.

1 phara = 16 payals = 64 seers. = 3,145 0112 cub. inches.

1 muda = 25 pharas = 45·5 cub. ft.

Madras—1 phara = 5 markata = 40 padis = 320 olaks = 3,750 cub. inches.

1 garu = 30 pharas.

Burma—1 basket or bushel = 16 pyes = 8 gallons.

Indian Apothecaries Weight.

1 tollah = 16 annas = 96 satis = 384 dhans, 1 dhan being the weight of 1 grain of paddy.

1 masha = 15 grains = 8 ratas or gunjas.

Apothecaries Weight.

20 grains = 1 scruple; 3 scruples = 1 drachm, 8 drachms = 1 ounce; 12 ounces = 1 pound.

Apothecaries Measures.

60 minims = 1 fluid dram; 8 fluid drams = 1 fluid ounce; 20 fluid ounces = 1 pint; 8 pints = 1 gallon

A tea-spoonful = 1 fluid drachm.

A dessert-spoonful = 2 fluid drachms.

A wine-glassful = 2 to 2 1/2 fluid ounces.

A table-spoonful = 4 fluid drachms.

A tea-cupful = 5 fluid ounces.

A tumblerful = about 10 fluid ounces.

A tea-cupful = 5 fluid ounces.

A tumblerful = about 10 fluid ounces.

English Weights and Measures.

1 yard (yd.) = 3 feet (ft.) = 36 inches (in) = 91·44 centimetres.

1 mile = 8 furlongs = 80 chains = 1,760 yds. = 3,520 cubits = 1,609 metres

1 sq. yard = 9 sq. ft. = 144 (sq. in.

1 acre = 4 roods = 160 sq. poles = 4,840 sq. yds = 3 1/40 bighas

1 square mile = 649 acres.

1 cubic yard = 27 cubic feet = 1,728 cubic inches.

1 cubic foot = 28 315 litres

1 pound avoirdupois (lb.) = 16 oz. = 256 drachms (dr.) = 7,000 grains = 453 6 grams = 38 89 tolas = 0 48611 seer.

1 oz. = 16 drachms = 437·5 grains = 28 35 grams = 2·43 tolas.

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- 1 fluid oz. = 28.4 c.c
 1 pound Troy = 12 ozs = 240 cwt. = 5,760 grains = 373 248 grams = 32 tolas.
 1 hundredweight = 4 quarters (28 lbs each) = 112 lbs. = 1 maund 14 seers = 136111 maund.
 1 ton (gross ton) = 20 cwt = 2,240 lbs = 1016 kilos = 274 maunds nearly = 27 2222 maunds.

In England the ton or gross ton of 2240 lbs is exclusively used. In the United States of America the term "ton" may mean the gross ton of 2,240 lbs. or the short ton of 2,000 lbs. or the dupond.

To convert Avoirdupois weight into Indian weight —

Multiply the weight in lbs Avoirdupois by 35 and divide by 72, or multiply the weight in cwt by 49, and divide by 36, the result will be the weight, in the former, in Seers, in the latter, in Maunds

1 stone = 14 lbs. 1 central = 100 lbs

1 carat = 4 grains

Measures of Capacity.

1 Imperial gallon (gal) = 4 quarts (qts) = 8 pints (pts) = 16 gills = 32 noggins = 10 lbs (of water) = 4.54 litres

1 pint = 0.568 litre = 2 gills = 4 noggins = 1.4 lbs (water).

In England, by the term gallon (gal) the Imperial gallon is meant, but in the United States of America the much smaller apothecary's or wine gallon is understood, 1 Imperial gallon being equal to 1.2 wine gallons or 1 wine gallon = 0.8335 Imperial gallon, 1 wine gallon = 4 quarts = 6 pints = 3.785 litres.

Metric System.

1 metre (m) = 10 decimetres (dm) = 100 centimetres (cm) = 1,000 millimetres (mm) = 39.371 inches

1 litre (l) = 1,000 cubic centimetres (cc or c cm) = 0.22 gallon = 35.2 fluid oz.

1 cubic metre (cb m) = 1,000 litres = 220 gallons

1 gramme (g. or gr. or grm.) = 10 decigrammes (dg.) = 100 centigrammes (cg.) = 1,000 milligrammes (mg) = 15.43 grains.
 1 metric ton = 1,000,000 grammes = 21 79228 maunds

1 kilogramme (kg or kilo) = 1,000 grammes = 2.2 lbs = 1.07169 seer.

50 kilogrammes = 1 centner = 1 cwt nearly.

100 kilogrammes = 1 quintal or 1 metric centner = 1 doppelzentner = 1 dz. = about 1/10th ton.
 1,000 kilogrammes = 1 ton (t.), i.e., metric ton = 19 cwt. 77 lbs. = 2204.6 lbs.

1 cubic centimetre water = 1 gramme.

1 litre water = 1 kilogramme = 2.2 lbs

1 cubic metre water = 1 metric ton = 2204.6 lbs

Nautical Measures.

6 feet = 1 fathom.

100 fathoms = 1 cable length.

10 cables = 1 nautical mile or knot (1.151 miles).

60 nautical miles = 1 degree.

Yarn Measures.

Cotton.—Thread = 1½ yard.

Lea or Skein (skn) = 120 yds.

Hank (hk) = 7 skeins or Leas = 840 yards.

Spindle (Spdl) = 18 hanks

Bundle hanks, either of 5 lbs. or 10 lbs

Reels of cotton vary from 30 to 1,760 yards

Wool.—Waip = 80 yards

Hank = 7 warps = 560 yards.

Linen.—Hank = 300 yards

Spindle = 48 hanks.

Bundle = 200 hanks.

Count = the number of hanks in 1 lb

U. S. A. Weights & Measures.

U S A weights and measures only differ from British in the following —

2000 lbs = 1 short ton

100 lbs. = 1 cental

U S gallon = 8.345 lbs av

U S Barrel of oil = 42 U S. gallons = 35 Imperial gallons

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1 Bushel = 9692 Imperial Bushel.
1 Barrel of Flour = 196 lbs. av.

Size of Papers.

| | Inch. | Inch |
|-------------------|-------|------|
| Post | 19½ × | 15½ |
| Demy | 22½ × | 17½ |
| Sheet & Half Post | 23½ × | 19½ |
| Medium | 24 × | 19 |
| Royal | 25 × | 20 |
| Double Folio | 27 × | 17 |
| Super Royal | 27½ × | 20½ |
| Double Crown | 30 × | 20 |
| Imperial | 30 × | 22 |
| Double Post | 31½ × | 19½ |
| Double Demy | 35 × | 22½ |
| Double Royal | 40 × | 25 |

(The weight varies, according to the thickness and quality of the paper, from 10 to 100 lbs.).

Miscellaneous Weights and Measures.

- 1 chest of opium = 140 lbs.
- 1 maund of wool = 82 lbs.
- 1 bale of cotton = 400 lbs.
- 1 bale of cotton goods = 25 pieces of 30 yds.
- 1 barrel of tar = 26 5 gallons.
- 1 barrel of turpentine = 224 to 280 lbs.
- 1 box of camphor = 112 lbs.
- 1 bushel of wheat = 60 lbs.
- 1 firkin of soap = 64 lbs.
- 1 truss of straw = 36 lbs
- 1 hogshead of brandy = 45 to 60 gallons

Special Units.

- 1 lakh = 1,00,000.
- 1 crore = 1,00,00,000.
- 1 gross = 12 dozen = 144 units.
- 1 great gross = 12 gross
- 1 long hundred = 120 units.
- 1 long dozen = 13 units.
- 1 ream paper = 20 quires = 480 or 500 sheets.
- 1 phara of lime or coal = 27 inches = 20 inches × 9 inches.

Specific gravity of various materials.

Specific gravity is the ratio of the weight of the material to the weight of an equal volume of water:

| | | |
|-----------|----|---------|
| Aluminium | .. | 2 56 |
| Antimony | .. | 6 71 |
| Asbestos | .. | 1 2 |
| Asphalt | .. | 1 1—1 5 |

| | | |
|-----------------|----|-----------|
| Bellmetal | .. | 8 81 |
| Brass | .. | 8 3 |
| Butter | .. | 0 865 |
| Bronze | .. | 8 7 |
| Cast Iron | .. | 7 25 |
| Clay | .. | 3 85 |
| Copper | .. | 8 6 |
| Cotton | .. | 1 47 |
| Earth | .. | 1 3—1 8 |
| Flax | .. | 1 5 |
| Glass | .. | 2 4—2 6 |
| Gold | .. | 19 258 |
| Iron Wrought | .. | 7 86 |
| Iron Pig | .. | 7 03—7 13 |
| Lead | .. | 11 3 |
| Leather | .. | 0 86—1 02 |
| Lime (slaked) | .. | 2 3—3 2 |
| Limestone | .. | 1 86—2 84 |
| Linseed Oil | .. | 0 93—0 94 |
| Mica | .. | 2 65—3 2 |
| Mercury | .. | 13 598 |
| Nickel | .. | 8 8 |
| Paraffin | .. | 87—93 |
| Platinum | .. | 2 29—2 49 |
| Portland Cement | .. | 1 25—1 51 |
| Red Lead | .. | 9 07 |
| Rosin | .. | 1 07 |
| Salt | .. | 2 15—2 17 |
| Sand (dry) | .. | 1 4—1 65 |
| Silk (raw) | .. | 1 56 |
| Silver | .. | 10 474 |
| Slate | .. | 2 65—2 7 |
| Starch | .. | 1 53—1 56 |
| Steel | .. | 7 6—7 8 |
| Sulphur | .. | 2 07 |
| Wool | .. | 1 32 |
| Zinc | .. | 6 8—7 1 |

Approximate Weight Per Cubic Foot of:

| | | |
|------------------|----|---------|
| Aluminium, cast | .. | 159 8 |
| Aluminium, sheet | .. | 166 6 |
| Antimony, cast | .. | 419 5 |
| Bismuth, cast | .. | 613 1 |
| Brass | .. | 516 |
| Bronze | .. | 513 |
| Cast iron (aver) | .. | 451 |
| Copper bolts | .. | 552 4 |
| Copper, cast | .. | 537 3 |
| Copper, sheet | .. | 548 1 |
| Copper wire | .. | 550 0 |
| Gold | .. | 1,204 |
| Gunmetal | .. | 528 0 |
| Lead, cast | .. | 708 5 |
| Lead, sheet | .. | 711 6 |
| Mercury | .. | 848 75 |
| Platinum | .. | 1,843 9 |

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| | | | |
|---------------------------|---------|--------------------------|---------|
| Platinum, sheet . . . | 1,435 6 | Coke . . . | 40—45 |
| Silver . . . | 653 8 | Gravel . . . | 110 |
| Steel (mild) . . . | 490 | Earth . . . | 100—125 |
| Steel fluid comp. . . | 496 | Gutta Percha . . . | 61 |
| Tin, cast . . . | 455 1 | Gypsum . . . | 140 |
| White metal . . . | 456 32 | Ivory . . . | 114 |
| Wrought iron . . . | 480 0 | Lime . . . | 44—70 |
| Zinc . . . | 437 | Limestone (aver.) . . . | 139 |
| Wood. | | Marble (aver.) . . . | 169 |
| Acacia . . . | 44—49 | Mud . . . | 81—110 |
| Ebony . . . | 74 | Oil, Linseed . . . | 58 |
| Greenheart . . . | 71 | Oil, Olive . . . | 57 |
| Jungle Wood, Burma . . . | 57—22 | Oil, Whale . . . | 58 |
| Mahogany, Spanish . . . | 53 | Petrol . . . | 42 45 |
| Maple . . . | 42 | Petroleum, Crude . . . | 55 25 |
| Oak, English . . . | 48—58 | Petroleum, Refined . . . | 49 6 |
| Pine, white . . . | 27—34 | Pitch . . . | 70 |
| Pine, Pitch (aver.) . . . | 38 | Pitch, Mineral . . . | 103 |
| Pine, Norway . . . | 36 3 | Plumbago . . . | 142 |
| Teak, Burma . . . | 46—54 | Resin . . . | 63 |
| Yellow pine . . . | 32 | Rubber . . . | 58 |
| Miscellaneous. | | Sand, Pit, coarse . . . | 100 |
| Asphalt . . . | 112 | Sand, Pit, fine . . . | 95 |
| Clay . . . | 130 | Sand, Quartz . . . | 162 |
| Coal, Anthracite . . . | 95 | Sand, River . . . | 117 |
| Coal, Cannel . . . | 79 | Sand, Thames . . . | 102 |
| Coal, Glasgow . . . | 80 | Sandstone (aver.) . . . | 137 |
| Coal, Lancashire . . . | 79 | Slate (aver.) . . . | 171 |
| Coal, Newcastle . . . | 79 | Shingle . . . | 88 |
| Coal, Welsh . . . | 82 | Tallow . . . | 59 |
| | | Tar . . . | 63 |

Cubic Feet Per Ton Of Merchandise.

| | |
|--------------------------------------|-------------------------|
| 1 ton measurement | = 40 cubic feet |
| 1 ton measurement | = 48 " " |
| | making due allowance |
| | for bad stowage |
| Tons displacement of vessel | = 35 cubic feet per ton |
| 1 ton Australian coal | = 40-46 cubic feet |
| 1 " Bengal coal | = 40 " " |
| 1 " Fine screening coal | = 41 " " |
| 1 " Java Molasses (liquid) | = 26 " " |
| 1 " Java Molasses (solid in baskets) | = 25 " " |
| † 1 " Paddy (space measurement) | = 50 " " |
| 1 " Rice in bags | = 50 " " |
| 1 " Sugar (new) in bags | = 50 " " |
| 1 " Sugar (old) in bags | = 47 " " |
| 1 " Welsh coal, large | = 45 " " |
| * 1 " Barley in bulk | = 54 " " |
| * 1 " Cotton seed in bulk | = 80 " " |
| * 1 " Linseed in bulk | = 54 " " |
| * 1 " Oats in bulk | = 80 " " |
| * 1 " Maize in bulk | = 52 " " |

† Actual weight about 1,640 lb gross

* To calculate space occupied by these seeds in bags, add 10% to the given figures

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| | | |
|-------------------------|------|------------|
| *1 ton Rapeseed in bulk | = 61 | cubic feet |
| *1 " Rye in bulk | = 42 | " " |
| *1 " Wheat in bulk | = 52 | " " |

WEIGHT & VOLUME OF WATER.

| | |
|----------------------------|---|
| 1 cub. in. of water | = .0361 lb = 252.418 grains. |
| 1 Imperial gallon | " = 10 lbs. |
| 1 cub. ft. | " = 62.32 lbs. |
| 1 ton | " = 224 gallons. |
| 1 gallon of water occupies | 277.274 cub. inches. |
| 1 litre of distilled water | = 2.2 lbs. = 1 kilo gram. = 0.22 Imperial gallon. |
| 1 kilo gram | = 0.22 Imperial gallon. |
| 1 lb. of water | = 27.68 cub. in. = 453.6 lbs. |
| 1 ton of water | = 35.88 cub. ft. |
| 1 cub. ft. of water | = 6.232 Imperial gallons. |
| 1 pint of water | = 34.672 cub. in. |
| 1 oz. of water | = 1.729 cub. in. |

ENGINEERING MEASUREMENTS.

Circumference of a circle = $3.1416 \times \text{diameter}$.

Area of triangle = $\frac{1}{2} \text{ base} \times \text{altitude}$.

" rectangle = $\text{length} \times \text{breadth}$.

" trapezium = $\frac{1}{2} \text{ sum of the parallel sides} \times \text{altitude}$.

" circle = $3.1416 \times (\text{radius})^2$.

" section of circle = $\text{length of the arc} \times \text{radius}$

" of a segment of a circle = $\text{area of the section} - \text{area of the triangle}$.

" cylinders = $\text{Perimeter of the section of the base} \times \text{height}$.

" parabola = $.66 \times \text{height} \times \text{breadth}$.

" ellipse = $.7854 \times \text{major axis} \times \text{minor axis}$.

" sphere = $3.1416 \times (\text{diameter})^2$.

Circumference of a circle $\times .31831$ = the diameter.

Diameter of a circle $\times .8862$ = the side of an equal square.

Side of a square $\times 1.128$ = the diameter of an equal circle.

Volume of parallelepiped = $\text{length} \times \text{breadth} \times \text{height}$.

" sphere = $5239 \times (\text{diameter})^3$.

" cone = $1.047 \times (\text{radius})^2 \times \text{height}$.

Horse Power = 33,000 ft.-pounds of work per minute or 550 ft.-pounds of work per second = 746 Watts.

1 H. P. hr. = 33,000 \times 60 foot-lbs

Brake Horse Power (B. H. P.) is the power not absorbed by the engine in driving the piston but available for other work.

M. E. (Mechanical Efficiency) is the proportion of B. H. P. to I. H. P.

Atmospheric pressure = 14.7 lbs per sq. in. = 766 mm. of mercury per sq. cm.

THERMOMETRIC SCALES.

Three different systems of thermometers are in use, viz Fahrenheit thermometer; Centigrade thermometer; and Reaumur thermometer.

In the Fahrenheit thermometer the freezing point is marked 32°, and the boiling point 212°, in the Centigrade thermometer these are marked 0° and 100° respectively while in the Reaumur thermometer these are marked 0° and 80° respectively.

*To calculate space occupied by these seeds in bags, add 10% to the given figures.

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ELECTRIC MEASURES.

OHM, the unit of resistance, is the resistance offered to an unvarying electric current by a column of mercury, at the temperature of melting ice, 14,4521 grammes in mass, of a constant cross-sectional area, and of a length of 106.3 centimetres

AMPERE, the unit of current, is the unvarying electric current which, when passed through a solution of nitrate of silver in water, deposits silver at the rate of 0.001118 of a gramme per second.

VOLT, the unit of pressure, is the pressure, which, when steadily applied to conductor whose resistance is one ohm will produce a current of one ampere

JOULE, the unit of work, is the energy per second of one ampere in one ohm

WATT, the unit of power, is 1/746 th. of one horse-power, the horse power being 33,000 lb raised one foot in one minute

COULOMB the unit of quantity and is the amount of electricity transferred by one ampere per second.

FARAD the unit of capacity

HENRY the unit of induction.

B O T unit = 1,000 Watt-hours (1 kilowatt) = 3,600,000 joules = 1 h. p hours

Volts X Amperes = Watts, 1 Electric Unit = 1,000 Watt-hrs = 1.34 H. P. hrs.

In carbon lamps of 16 candle power (nominal) about four watts are required per candle power to give good economical results for domestic purposes. Metallic filament lamps require considerable less

THICKNESS OF BIRMINGHAM WIRE GAUGES.

| No of gauge | Thickness in inches | No of gauge | Thickness in inches |
|-------------|---------------------|-------------|---------------------|
| 0 | 340 | 18 | .049 |
| 2 | 340 | 20 | .035 |
| 4 | .238 | 22 | .028 |
| 6 | .208 | 24 | .022 |
| 8 | .165 | 26 | .018 |
| 10 | .134 | 28 | .014 |
| 12 | .109 | 30 | .012 |
| 14 | .083 | 32 | .009 |
| 16 | .065 | 34 | .007 |

COMBUSTION AND FUEL.

The calorific power of a fuel is the number of units of heat produced by the combustion of 1 lb weight of this fuel. It is generally expressed in lbs of water evaporated from and at 212°F, and is obtained by dividing the calorific power of the fuel by 966. The following table gives calorific and evaporative power for different fuels —

| | Calorific Power in B Th U | Evaporative power in lbs of water from and at 212°F |
|---------------------------------|---------------------------|---|
| Wood, air dried, with 20% water | 5,600 | 5.80 |
| Peat, air dried, with 20% water | 6,500 | 6.73 |
| Coal lignite, air dried | 11,000 | 11.39 |
| Coal bituminous, average | 14,000 | 14.30 |
| Coal anthracite, average | 15,000 | 15.53 |
| Coke | 12,000—13,700 | 12.42—14.18 |
| Petroleum | 20,000 | 20.70 |

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WEIGHTS AND MEASURES.

UNITS OF SALE OF COMMODITIES.

Quotations in Indian market are in rupees, annas and pies:—

| | | | | | |
|---------------------|--|--|--------------------------|----------------------------------|--|
| Bonemeal | | | Amreli (Kathawar) | | |
| Calcutta | per ton. | | | per candy of 1028½ lbs. | |
| Karachi | per md. of 86 4 lbs. | | South India | per candy of 500 lbs. | |
| Bristles. | | | Broach | per candy of 885½ lbs. | |
| Bombay | per lb. | | Berar | per khandi of 784 lbs. | |
| Calcutta | per md. | | Middle Gujerat | per bhar of 1020 lbs. | |
| Cardamoms. | | | North Gujerat | | |
| Bombay | per Surti maund of 39 2 lbs. | | | per bhar of 640 lbs. | |
| Madras | per maund of 25 mds. | | Baroda | per bhar of 984 lbs. | |
| Gaster Seed. | | | Surat | per candy of 800 lbs. | |
| Bombay | per candy of 560 lbs. | | Bhownagar | per candy of 1028½ lbs. | |
| Calcutta | per md. | | Tinnevely | per candy of 500 lbs. | |
| Cocanada | per candy of 500 lbs. | | Gadag | per barmani of 336 lbs. | |
| Madras | per candy of 500 lbs. | | | | |
| Gaster Oil | | | Cotton Goods. | | |
| Calcutta | per md. | | Yarn | per lb. | |
| Cocanada | per candy of 500 lbs. | | Piecegoods | per lb. or per piece. | |
| Madras | per candy of 500 lbs. | | Cotton Seed. | | |
| Cement. | | | Bombay | per candy of 784 lbs. | |
| English | per cask | | Karachi | per standard md. | |
| India | per ton. | | Gold. | | |
| Chillies. | | | All-India | per tola. | |
| Bombay | per candy of 588 lbs or 21 Bombay mds. | | Gram. | | |
| Tuticorin | per tulam of 15 lbs | | Bombay | per candy of 756 lbs. | |
| Negapatam | per seed of 9 3/5 oz. | | Karachi | per candy of 656 lbs. | |
| Calcutta | per md. | | Rangoon | per 100 baskets of 65 lbs each. | |
| Bombay | per candy of 21 Bombay mds. | | Groundnut. | | |
| Rangoon | per 100 viss of 360 lbs. | | Bombay | per candy of 560 lbs. | |
| Coal. | | | Rangoon | per 100 baskets of 25 lbs each. | |
| Calcutta | per ton | | Madras, South | per French candy of 529 109 lbs. | |
| Coconut Oil. | | | Cuddalore | per candy of 530 lbs. | |
| Cochin | per candy of 600 lbs | | Groundnut Oil. | | |
| Calcutta | per md. | | Bombay | per cwt. or per md. of 28 lbs. | |
| Mangalore | per md. of 28 lbs. | | Calcutta | per md. | |
| Coffee. | | | Madras | per candy of 500 lbs. | |
| Bangalore | per cwt. or per md. of 28 lbs. | | Hides Raw. | | |
| Tuticorin | per md. of 26 lbs. | | Calcutta | per 20 lbs. | |
| Gopra. | | | Bombay | per lb. | |
| Cochin | per candy of 600 lbs | | Karachi | per md. of 28 lbs. | |
| Madras | per Dutch candy of 672 lbs | | U P. | per md. of 28 lbs. | |
| Mangalore | per md of 32 lbs. | | Punjab | per md. of 28 lbs. | |
| Cotton, Raw. | | | Rangoon | per md | |
| Bombay | per candy of 784 lbs | | Hides, Tanned. | | |
| Calcutta | per md. of 104 lbs | | All-India | per lb. | |
| Karachi | per md. of 84 lbs. | | Jute Bags. | | |
| Khandesh | per candy of 784 lbs. | | Calcutta | per 100 bags. | |
| Barsi | per boja of 259½ lbs | | Jute Cloth. | | |
| Dharwar | per barmani of 336 lbs. | | Calcutta | per 100 yds. | |

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| | | | | | |
|------------------------------|--------------------------|--|-------------------------|----------------------------|--|
| Jute Raw. | | | Rice. | | |
| Calcutta | per bale of 400 lbs | | Rangoon | per 100 baskets of | |
| Bimlipatam | per bale of 400 lbs. | | | 75 lbs. each. | |
| Kapok. | | | Calcutta | per md | |
| Calcutta | per md of 82 2/7 lbs. | | Karachi | per candy of 656 lbs | |
| Bombay | per candy of 784 lbs | | Madras | per bag of 164 lbs. | |
| Madras | per kantiam of 1680 lbs. | | Bombay | per bag of 168 lbs. | |
| Kerosene Oil. | | | Rice, Burma. | | |
| Calcutta | per case of 2 tins | | Sold to Europe | | |
| each containing 4 gallons. | | | | per cwt of 112 lbs | |
| Linseed. | | | " Java | per picul of 136 lbs. | |
| Bombay | per cwt. | | " Manila | per picul of 133 1/2 lbs. | |
| Calcutta | per md. | | " Straits Settlements | per coyan of 5,333 1/2 lbs | |
| Linseed Oil. | | | " Japan | per picul of 136 lbs. | |
| Calcutta | per gallon or drum | | or per cwt of 112 lbs. | | |
| Maize. | | | " India | per bag (according | |
| Calcutta | per md | | to weight). | | |
| Rangoon | per 100 baskets | | Sesame Seed. | | |
| of 55 lbs each. | | | Bombay | per candy of 560 lbs. | |
| Karachi | per candy of 656 lbs | | Karachi | per candy of 656 lbs | |
| Metals & Paints. | | | Madras | per bag of 164 lbs. | |
| Calcutta | per cwt. | | Shellac. | | |
| Millets. | | | Calcutta | per md. | |
| Karachi | per candy of 656 lbs | | Silk, Raw. | | |
| Bombay | per candy of 27 Bom- | | Calcutta | per factory seer. | |
| bay maunds | | | Karachi | per lb. | |
| Rangoon | per 100 baskets of | | Mysore (chasam) | per md. | |
| 62 lbs each. | | | of 25 lbs | | |
| Mohua Seed. | | | Silver. | | |
| Bombay | per cwt. | | All-India | per 100 tolas | |
| Calcutta | per md. | | Skins, Raw. | | |
| Myrobalans. | | | Madras | per 100 pieces. | |
| Madras | per candy of 500 lbs | | Bombay | per lb | |
| Bombay | per candy of 700 lbs | | Karachi | per lb. | |
| Calcutta | per md | | Skins, Tanned. | | |
| Oats. | | | All-India | per lb | |
| Calcutta | per md. | | Sugar. | | |
| Bombay | per candy of 28 | | Calcutta | per md. | |
| Bombay mds. | | | Bombay | per cwt. | |
| Paraffin Wax. | | | Cawnpore | per md | |
| Calcutta | per md. | | Madras | per candy of 500 lbs | |
| Rangoon | per lb. | | Coimbatore | per pathi of 280 lbs. | |
| Pepper. | | | Sugar Raw (Gur). | | |
| Tellicherry | per cwt. | | Madras | per candy of 500 lbs | |
| Cochin | per candy of 600 lbs | | Coimbatore | per pathi of 280 lbs. | |
| Bombay | per candy of 21 | | Masulipatam | per bag of 168 lbs | |
| Bombay mds | | | Tuticorin | per tulam of 204 lbs. | |
| Calcutta | per md. | | Tea. | | |
| Petrol. | | | Calcutta | per lb | |
| Calcutta | per American gallon | | Tobacco. | | |
| Pulses. | | | Calcutta | per md. of 82 2/15 lbs | |
| Calcutta | per md | | Bombay | per md of 82 2/15 lbs | |
| Bombay | per candy of 784 lbs. | | Rangoon | per 100 viss of 360 lbs | |
| Karachi | per candy of 656 lbs | | Negapatam | per seer of 24 tolas | |
| Rape or Mustard Seed. | | | | | |
| Karachi | per candy of 656 lbs. | | | | |
| Bombay | per cwt. | | | | |

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WEIGHTS AND MEASURES.

| | | | | |
|---------------------------|-----------------------|--|---------------------|------------------------|
| Turmeric. | | | Groundnut | in f. s. per ton |
| Bombay | per candy of 588 lbs | | Jute | in f. s. d. per ton |
| Cocanada | per md of 25 lbs. | | Linseed | in f. s. d. per ton |
| Turpentine. | | | Metals | in f. s. d. per ton |
| Calcutta | per drum. | | Pig iron | in f. s. per ton. |
| Vegetable Product. | | | Rubber | in pence per lb. |
| All-India | per case of 2 tins of | | Rice | in sh d per cwt. |
| | 40 lbs. each. | | Shellac | in sh d per cwt. |
| Wheat. | | | Silver | in pence per oz. |
| Bombay | per cwt. | | Sugar | in sh. d. per cwt |
| Karachi | per candy of 656 lbs | | Tanned Hides | |
| Lyallpur | per md. | | and skins | in sh. d. per lb. |
| Wool. | | | Tea | in sh d. per lb. |
| Bombay | per candy of 588 lbs. | | Wheat | in f. s. per 63½ lbs. |
| Karachi | per md of 84 lbs. | | New York. | |
| Madras | per lb. | | Cotton | in cents per lb. |
| FOREIGN MARKETS. | | | Hessian | in cents per yd. |
| London. | | | Kerosene oil | in cents per |
| Castor seed | in f s per ton. | | | Imperial gallon. |
| Cement | in f s per ton. | | Rubber | in cent per lb. |
| Coffee | in sh d per lb. | | Singapur. | |
| Cotton | in pence per lb. | | Rubber | in cent. per lb. |
| Cotton seed | in f s. per ton. | | Soerabaya. | |
| Gold | in f. s per oz | | Sugar | in guilders per kilos. |

RELATIVE TIME.

12 noon Greenwich Mean Time is as follows in:—

| | | | |
|-----------------|------------|-----------------|------------|
| Adelaide, | 9-15 p m. | Madras, | 5-21 p m. |
| Aden, | 8-1 " | Madrid, | 11-45 a m. |
| Alexandria, | 1-59 " | Malta, | 12-58 p m. |
| Algiers, | 12-12 " | Melbourne, | 9-40 p m. |
| Amsterdam, | 12-20 " | Milan, | 12-36 " |
| Antwerp, | 12-17 " | Monte Video | 8-13 a m. |
| Athens, | 1-35 " | Montreal, | 7-6 a m. |
| Baghdad, | 2-58 " | Moscow, | 2-30 " |
| Baltimore, | 6-54 a m | Naples, | 12-57 " |
| Belfast, | 11-36 a m | New York, | 7-4 a m. |
| Berlin, | 12-54 " | Paris, | 12-9 p m. |
| Berne, | 12-30 " | Port Said, | 2-11 p m. |
| Bombay, | 4-51 " | Pretoria, | 1-56 a m. |
| Boston, | 7-16 a m | Quebec, | 7-15 a m. |
| Brindisi, | 1-12 p m. | Rio de Janeiro, | 9-7 " |
| Brussels, | 12-17 " | Rome, | 12-50 p m. |
| Buenos Ayres, | 8-7 a m. | Rotterdam, | 12-18 " |
| Cairo, | 2-3 p m. | San Francisco, | 3-50 " |
| Calcutta, | 5-54 " | Shanghai, | 8-6 " |
| Cape Town, | 1-14 " | Singapore, | 6-56 " |
| Colombo, | 5-19 " | Stockholm, | 1-12 " |
| Constantinople, | 1-56 " | Suez, | 2-10 " |
| Geneva, | 12-25 " | Sydney, | 10-5 " |
| Gibraltar | 11-39 a m. | Tokio, | 9-19 " |
| Hongkong, | 7-37 " | Vancouver, | 3-36 a m. |
| Khartoun | 1-32 p m | Vienna, | 1-6 p m. |
| Leningrad, | 2-3 " | Washington, | 6-52 a m |
| Lisbon, | 5-21 p m | | |

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LABOUR AND COMMERCIAL LAWS.

INDIAN FACTORIES ACT.

The history of factory legislation in India dates back to 1881 when the first Factory Act was passed at the instance of the Manchester Cotton Manufacturers for the regulation of the conditions of factory labour, specially those engaged in the growing cotton industries in Bombay. The Act was applicable to "manufacturing premises using power-driven machinery and employing 100 or more persons and working for more than 1 month in the year." Indigo, tea and coffee plantations thus fell beyond the purview of the Act. According to this Act, children between the age limits of 7 and 12 could not work more than 9 hours in a day, they were to be allowed an interval of rest for one hour and had to be granted four holidays in a month. There were also provisions for the appointment of factory inspectors to record accidents, etc

History of the Legislation.

Further reforms were embodied in the Factory Act of 1891 which was rendered applicable to all factories employing more than 50 persons, restricted the age limit for the employment of children between 9 to 12, limited the women's hour to 11 and of children under 11 to 6 and enjoined 1½ hours' respite for women and included a weekly day of rest.

The provisions underwent further modifications in the Factories Act of 1911. According to this adult males in textile factories were to work for 12 hours per day only, the factories could not use mechanical or electrical power for more than 12 hours in a day between 5-30 A.M. to 7 P.M. and were required to stop work for at least half an hour after six hours' work.

The Great War influenced the labour legislation all over the world to a tremendous extent and regulation of labour assumed an international aspect. The first International Labour Conference was held at Washington in 1919 and India was not slow to give effect to the Conventions adopted at the Washington Conference. A new Act namely Indian Factories (Amendment) Act, 1922 came into operation in 1922 which was subsequently amended by Act IX of 1923, Act XXVI of 1926 and Act XIII of 1931.

The Royal Commission of Labour presided over by Rt. Hon. J. H. Whitley made a number of recommendations in July 1931 after an enquiry of the existing conditions of labour in industrial undertakings and plantations in British India, on the health, efficiency and standard of living of the workers and on the relations between employer and employed. After examining these recommendations in detail the Government of India introduced a Bill in the Assembly in September, 1933 to replace the Act of 1931.

The Bill was favourably reported on by a Select Committee on 2 February 1934, was passed by the Legislative Assembly and the Council of State on July 19 and August 14, 1934 respectively, and was assented to by the Governor General on August 20, 1934. The Act came into force on January 1, 1935. Certain amendments to this Act have been made during 1936 which are given separately under this section.

Provisions of the Act.

The most important provisions of the Act are the following —
Definition.—"Factory" means any premises, including the precincts

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Assembly on 23rd March, 1936 to amend further the existing Companies' Act of 1913. This was passed in October by both the Houses.

Apart from the consequential changes and alterations in the form and language, the main changes made, either by introducing new sections or by amendment of the old ones, are with reference to—

- (1) Managing agents
- (2) Powers of Directors,
- (3) Floating Companies;
- (4) Increased powers of the Registrar and Court to control the companies;
- (5) Better disclosure of the companies' position in Balance Sheet and Profit and Loss Accounts;
- (6) Auditors' right to attend the meetings;
- (7) Rights of creditors of a company in liquidation;
- (8) Rights of Debenture-holders to receive and inspect Balance Sheets, etc.;
- (9) Certain Statutory requirements, on foreign companies doing business in India.

Main provisions of the Amendment Act are.

Clause 2 which amends and adds to section 2 of the existing Act, defines Managing Agents of which there was no mention in the Act of 1912. This clause also redefines Manager—

Manager means a person who, subject to the control and direction of the directors has the management of the whole affairs of a company, and includes a director or any other person occupying the position of a manager by whatever name called and whether under a contract of service or not.

'Managing Agent' means a person, firm or company entitled to the management of the whole affairs of a company by virtue of an agreement with the company, and under the control and direction of the Directors except to the extent, if any, otherwise provided for in the agreement, and includes any person, firm or company occupying such position by whatever name called. An explanation has been appended to make it clear that, if a person occupying the position of a Managing Agent calls himself a Manager, he would nevertheless be regarded as Managing Agent and not a Manager.

Subsidiary company is now clearly defined as follows —

If the amount of the shares held by one company in another company is at the time when the accounts of the holding company are made up more than fifty per cent of the issued share capital of the other company or such as to entitle the holding company, to more than 50 per cent of the voting power in the other company or the holding company has directly or indirectly to appoint the majority of the Directors of the other company, then that other company is to be considered as a subsidiary company. A subsidiary company also includes a sub-subsidiary company.

Clause 4 adds a new provision to Section 4 of the existing Act. Section (4) of the existing Act which prohibits formation of partnerships exceeding ten persons in the case of banking business and twenty persons in the case of other business is made inapplicable to a joint family carrying on joint family trade or business and it is also provided that where two or more such joint families form a partnership, in computing the number of persons for the purposes of the section, minor members of such families shall be excluded.

Clause 5 amends Section 10 of the existing Act.

This section provides that a company shall not alter the conditions contained in its Memorandum except in the cases and in the mode and

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sufficient number of privies and urinals. The doors should open out wards and, precautions against fire taken. Machines, prime movers, etc., should be properly fenced.

Enforcement.—The provisions governing the observance of the law by employers have been clarified and elaborated. (a) while the old standard fine of 500 rupees for major offences, particularly offences committed by managers or occupiers (persons having ultimate control over the affairs) or factories, has been retained, a new feature has been added in that higher punishments may be inflicted for subsequent offences relating to hours of work, overtime, children, adolescents and women, (b) the member of a firm or association to be nominated as occupier must be resident in British India, (c) the period within which a prosecution may be preferred has been extended from six to twelve months in certain cases and (d) all rules made, under the Act, and not only the rules made by a local Government, are subject to previous publication.

Amendment of the Indian Factories Act.

The Government of India has recently amended the Factories Act of 1934 with a view to clarifying and enlarging the definition of a factory.

Under Section 5 (1), Local Governments may, by notification in the local official gazette, declare as factories any premises which have 10 or more persons working in them or in their precincts. The notification so issued extended hitherto only to the premises and not to the precincts and thus might not apply to work partly or wholly done in the open air. The Government of Bombay in fact found difficulty in applying the Act to open-air establishments, e.g. "dhobighats" (laundries) in Ahmedabad, where the conditions of work required legislative control. A Bill to amend the Factories Act was therefore introduced by the Government of India into the Legislative Assembly on 16 March 1936, passed by the Assembly and the Council of State on 21 and 23 April, respectively, and assented to by the Governor-General on 26 April, 1936. The Act was immediately promulgated for general information. By this amendment Local Governments are given power to notify as factories, whenever necessary, all industrial undertakings which carry on their work partly or entirely in the open air.

THE INDIAN COMPANIES AMENDMENT ACT.

The Indian Companies Act styled Act No VII of 1913 had much in common with the English Companies Act and had been in operation since April 1, 1914. It extended to the whole of British India including British Baluchistan and Santhal Parganas.

In September 1934, the Government of India, at the persistent demand of public bodies and local Governments, appointed a lawyer of experience in Company Law to examine the need and the desirability of suitable amendments in the existing law. His Report was considered by a committee of experts appointed by Government. In view of the importance of the subject, and of the extent and volume of changes that are necessary in the existing Indian Companies' Act, one generally expected the Government to institute a detailed and comprehensive Committee of Enquiry with a view to bringing out a Consolidating Act to replace completely the Act of 1913. However, for certain reasons, the Government of India found it not desirable to appoint such a Committee, in its place, the report of the expert was examined by a committee of business men, and a Bill was introduced in the Legislative

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Section 66A enacts that a minority of any class of shareholders holding not less than ten per cent. of the issued shares of the class have been given a right to appeal to the Court against any scheme designed to vary or abridge the rights of the class, notwithstanding that such scheme may have been duly sanctioned in accordance with the Company's Articles. The period fixed for appealing to the Court is fourteen days from the passing of the resolution objected to.

Section 79 contains statutory provisions concerning meetings and the procedure thereat. These provisions apply to meetings of a company other than a private company not being a subsidiary of a public company. It lays down that not less than fourteen days' notice will have to be given of all meetings except those called for passing a special resolution where as already stated twenty-one days' notice is prescribed. Along with the notice a statement of the business to be transacted is also required to be sent.

Section 81 provides that the requisitionists will be entitled to recover all reasonable expenses from the company which in turn would be entitled to recover them from the defaulting directors out of their fees.

Section 83 enacts that every company shall be bound to give inspection to its shareholders of the minute books containing proceedings of general meetings held after the commencement of the amending legislation. Shareholders will also be entitled to obtain copies of these minutes on payment.

Section 86A renders undischarged insolvents ineligible to act as directors or as managing agents.

Section 86B (2) enacts that not less than two-thirds of the total number of directors should be subject to retirement in rotation. The section does not apply to private companies as also to existing companies where by the Articles the number of directors subject to retirement falls below the two-thirds proportion.

Section 86C provides that no officer of the company, including a director, or manager, or managing agent, can be exempted from any penalty or liability under any rule of law by any articles or agreement with the company provided that in the case of any such existing provisions, this section shall not come into force until 6 months after the commencement of the new Act.

Section 86D prohibits loans or guarantees of loans by a company to a director. This section does not apply to banking companies or to private companies except subsidiaries of public companies.

Section 86E prohibits a director from holding any office of profit, without the consent of the company in meeting except that of a managing director or manager or legal or technical adviser or banker. This provision does not apply to any existing arrangements, but presumably it would apply when a director is re-appointed.

Section 86G permits the removal of a rotation director by extraordinary resolution and the appointment of another in his place by ordinary resolution. This section does not apply to existing directors, but presumably it would on re-appointment.

Section 86H lays down the important provisions that directors of a public company or of a subsidiary of a public company cannot, except with the consent of the company, sell or dispose of the undertaking of the company or remit any debt due by a director.

Section 86I sets forth the contingencies on the happening of which the office of a director would be automatically vacated. Most of these contingencies are consequent upon the provisions already noticed above and need not therefore be gone into.

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to the extent for which express provision is made in the Act. A provision has now been added to the section to the effect that any provision in the Memorandum relating to the appointment of a manager or managing agent and other matters of a like nature incidental or subsidiary to the main objects of the company, shall not be deemed to be a condition.

Clause 8 amending Section 17, regarding the articles of association provides that the articles of every company shall be deemed to contain regulations identical with or to the same effect as Regulations 56, 66, 78 to 82, 95, 97, 105, 107 and 112 to 116 of Table A of the first schedule of the existing Act. By Regulation 71 vesting of the management of the company in a board of directors is made compulsory. Regulations 78 to 82 dealing with rotation and re-election of directors, are also made compulsory but Reg 78 applies only to public companies and their subsidiaries.

They provide "inter alia" that at the first ordinary meeting all the directors shall retire, that at every subsequent meeting one-third of the directors shall retire, that the retiring directors shall be eligible for re-election and that the company may fill up the vacated office by electing a person thereto. Regulation 97 provides that no dividends shall be paid otherwise than out of profits of the year or any other undistributed profits. Regulation 105 provides among other things for giving inspection of the company's books and accounts to shareholders by a general resolution passed for the purpose. Regulation 107 lays down that the profit and loss account shall show arranged under the most convenient heads the amount of gross income distinguishing the several sources from which it has been derived and the amount of gross expenditure distinguishing the expenses of establishment, salaries and other like matters.

Regulations 112 to 116 provide among other things, that notices to shareholders should be given either personally or by sending them in post to the registered addresses of shareholders in British India.

Clause 10 adds to Section 20. This enacts that no alteration in the Articles can add to the liabilities of a member as regards capital as on the date he became a member unless he agrees otherwise.

Clause 14 inserts a new Section 31A which requires every company to maintain an index of the names of its members unless the Share Register is in such a form as to constitute in itself an index. The index will also be open to inspection.

Clause 15 makes an addition to Section 32. It provides that the company's register must contain a statement of the changes that might have taken place in the personnel of its directors, managers or managing agents from time to time.

Clause 16 substituting the existing Section 34 prohibits the registration of partly paid shares will not be effected unless the company gives notice to the transferee who should object, if he so desires, within two weeks.

If the Company declines to register any transfer, notice of refusal must be given to the transferor and the transferee within two months from the lodging of the transfer.

The period for closing transfer books has been increased from thirty days to forty-five days subject to the proviso that it shall not exceed thirty days at a time. Companies have been placed under an obligation to give seven days' previous notice for closing the transfer books.

Section 54A not only prohibits a company from buying its own shares but also prohibits a subsidiary from buying the shares of the holding company.

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Section 87 I provides that the number of directors to be nominated by managing agents should not exceed one-third of the whole number of directors.

Section 91A has been amended by the addition of sub-section (3) which now requires that a register should be kept containing particulars of contracts and arrangements in which a director is directly or indirectly concerned or interested and that this Register should be open to inspection of shareholders.

Section 91D requires managing agents to file with the company a memorandum with respect to Contracts in which the company is an undisclosed principal and place it before the next Board meeting.

Section 93 makes it obligatory on a company to set out in its prospectus the provisions contained in the Articles or in any contract as to the appointment and remuneration of its managers and managing agents.

Section 105A provides a limited right to a company to issue shares at a discount. Such shares must be of the same class as shares that have already been issued, the issue must be authorised by the Company in general meeting and sanctioned by the Court; it cannot be made until after one year from the date on which the company is entitled to commence business, the resolution must specify the maximum discount which should not exceed ten per cent and the issue must be made within six months of the date of the Court's Order or such extended time as the Court may allow. Provisions have also been made requiring disclosure of particulars of the discount allowed in the Prospectus relating to the issue and in every balance sheet issued subsequently to the issue or of so much of that discount as has not been written off.

New section 105B empowers companies if so authorised by their Articles, to issue redeemable preference shares. It is provided that the shares can be redeemed from three sources, viz., (1) out of profits available for dividend, (2) out of proceeds of a fresh issue made for the purpose and (3) out of sale proceeds of any property of the company. The shares to be redeemed must be fully paid.

By Clause 110 provisions have been made for prosecution of delinquent directors. Clause 111 makes penalty provisions in respect of directors who fail to discover or deliver to the liquidator the property of the company.

Clause 121 provides for penalty for wrongful withholding of company's property as well as for misapplication of securities deposited by employees in pursuance of their contracts or moneys appertaining to a provident fund constituted by the company for its employees.

Section 130 indicates in some detail the matters in respect of which the accounts have to be kept and includes a penalty for default. Sub-section (3) provides that in the case of a company managed by a managing agent the managing agent and, in other cases, the directors who may be responsible for non-compliance with the provisions of the section would be liable to a fine not exceeding rupees one thousand.

Every company is also to submit a profit and loss account or, where a company does not trade for profit, an income and expenditure account. Both accounts must be made up to a date not earlier than nine months before the meeting, unless the company has interests abroad in which case twelve months are allowed.

Section 131A requires that with the balance-sheet must be annexed a report by the directors with respect to the state of the company's affairs, the amount of dividend recommended and the

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Section 87 enjoins upon companies the duty of keeping a Register which shall be kept to include particulars not only about directors but about managers and managing agents also

Section 87A deals with the duration of managing agencies, old and new

(1) A managing agent shall not be appointed to hold office for a period of more than 20 years at a time

(2) No existing managing agent can continue after 20 years from the commencement of the new Act, unless reappointed

(3) A managing agent whose office has been terminated by the 20 years' rule is entitled to a charge on the assets of the company for obligations properly incurred by him on behalf of the company

(4) The termination of office under the 20 years' rule shall not take effect until all moneys payable to the managing agents for loans or remuneration are paid

(5) These provisions do not apply to private company except a subsidiary of a public company.

Section 87B deals with the conditions applicable to managing agents

(a) A managing agent may be removed by a resolution of the company if he or anyone holding a general power of attorney from him is convicted of certain non-bailable offences in connection with the affairs of the company. Provided that he shall not be liable to be so removed if any such offending person is expelled within 30 days of conviction, or if the conviction is set aside on appeal

(b) The managing agent's office shall be cavated if he is adjusted insolvent

(c) The transfer of a managing agency shall be void unless approved by the company. Provided that in the case of a firm, so long as one of the original partners remains, a change in the partnership shall not be construed to be a transfer of office

(d) A change on, or assignment of, a managing agent's remuneration or any part of it is void as against the company.

(e) If a company is wound up, the managing agency shall cease, but without prejudice to its rights to recover any moneys due from the company. Provided that where the Court finds that the winding up is due to the negligence or default of the managing agent, no compensation is admissible for premature termination of contract

(f) The appointment of a managing agent, the removal of a managing agent, and any variation of a managing agent's contract of management made after the commencement of the new Act shall not be valid unless approved by the company in meeting. Provided that these conditions shall not apply to the appointment of the company's first managing agent made prior to the issue of prospectus or statement (in lieu of prospectus) setting out the terms of the appointment

Section 87D enacts that loans by a company to its managing agent as well as to any partner or director of the managing agent according as the managing agent is a firm or private company shall be prohibited. Similarly the giving of guarantees by companies for loans obtained by managing agents has also been prohibited

Section 87E prohibits loans between two companies under management by the same managing agent. The prohibition also applies to guarantees

Section 87F makes null and void purchases by one company of shares and debentures of another company under the same managing agent unless such purchases are previously approved by a unanimous resolution of the Board of Directors of the purchasing company

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the new Act should be so invested within the next ten years by annual instalments. Notwithstanding any rules of any fund to the contrary, the beneficiaries of those funds shall not be entitled to a rate of interest exceeding the yield on those investments

INDIAN INSURANCE BILL.

The Insurance Bill, as finally emerged from the Legislative Assembly and the Council of State is a comprehensive piece of legislation calculated to protect the interests of both the insurance companies and policy-holders.

Registration.

Clause 3 provides that no insurer shall, after the commencement of this Act begin to carry on any class of insurance business in British India, and no insurer carrying on any class of insurance business in British India shall after the expiry of three months from the commencement of the Act, continue to carry on any such business unless he has obtained from the Superintendent of Insurance a certificate of registration. The application for such certificate must be accompanied by —

(1) A certified copy of the prospectus if any and of the table of assured rates, commissions, and advantages together with all other terms and conditions offered to policyholders together with a certificate by a qualified actuary that such rates, commission and advantages, etc are workable and sound;

(2) Certified copy of Memorandum and Articles of Association;

(3) Particulars of Directors, or Proprietors if not a company, including names of persons in British India authorised to accept any notice required to be served on the insurer,

(4) A statement of the class of Insurance business to be done, and a certificate that the appropriate deposits have been made with the Reserve Bank, and that the provisions regarding capital have also been complied with,

(5) A company incorporated outside British India must also give a statement of any special provisions applying to Indian companies in that country.

The Superintendent of Insurance shall on being satisfied that the applicant has fulfilled all the requirements of the Act applicable to him, grant the insurer, a certificate of registration.

Another clause provides no insurer not being a Provident Society or Co-operative Life Insurance Society whereto this Act applies shall pay or undertake to pay on any Policy of Insurance issued after the commencement of this Act an annuity of fifty rupees or less or a gross sum of rupees five hundred or less, exclusive of any profit or bonus to the insurer.

Among other provisions are—No insurer other than a provident society who begins to carry on insurance business continue after the expiry of six months from the commencement thereof to use as its name, any combination of words which includes the word "provident."

Working Capital.

No insurer incorporated after, or who commenced or commences carrying on the business of life insurance in British India, whether solely or in common with any other business, after the 26th day of

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amount proposed to be carried to reserve fund, general reserve or reserve account shown specifically on the balance sheet or to be shown on a subsequent balance-sheet. For non-compliance with the new section, directors alone are to be liable to the penalty imposed by sub section (3) of section 130.

Section 277 lays down that foreign companies doing business in India shall in all cases, be required to file their own balance sheets. If, however, those balance sheets do not contain adequate information as required under a new Form H in the Third Schedule, added by Clause 124, then they have to supply additional information, so that the fullest disclosures are made of their position. Exemptions will not be permitted in future.

Section 277E lays down that foreign companies doing business in this country should keep at their principal place of business here complete books of account in relation to their transactions in this country.

Section 277F defines a banking company as one which carries on as its principal business the acceptance of deposits subject to withdrawal, notwithstanding that it engages in various other kinds of business, which are carried on by banks and which are particularised in the Bill.

Section 277G limits the activities of banking companies to the business defined in the previous section. In the case of existing companies this provision comes into force two years after the commencement of the new Act. The Governor General has got power to add to the list of business.

Section 277H prohibits the employment, two years after the commencement of the new Act, of a managing agent by any banking company. A banking company may, however, be allowed to act as such managing agent.

Section 277I prohibits the starting of business by any new banking company unless at least Rs 50 000 as working capital has been allotted in shares and paid up.

Section 277J prohibits a charge upon the unpaid capital of the company.

Section 277K requires a banking company, other than a scheduled bank, to maintain a reserve fund. Not less than 20 per cent of each year's profits shall be so transferred till the fund is equal to the capital. This fund has to be invested in trustee securities or deposited in a special account with a scheduled bank. This last provision comes into force as regards existing banking companies two years after the commencement of the new Act.

Section 277L requires every bank, other than a scheduled bank, to maintain a cash reserve equal to 1½ per cent of its time liabilities and 5 per cent of its demand liabilities.

Section 277M lays down that a subsidiary company of a banking company should be a subsidiary of its own formed for the purpose of undertaking trusts and the like, and such other purposes set forth in Section 277F as are incidental to the acceptance of deposits.

Section 277N gives power to a court to stay proceedings against a bank which is temporarily unable to meet its obligations, a report of the registrar being required by the court.

Section 282B provides that in the case of provident funds of companies all the moneys contributed to them or accruing should be invested only in trustee securities, in the case of existing funds however the moneys standing to their credit at the commencement of

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each year, and finite forms are laid down for the compilation of balance sheets, profit and loss accounts, and revenue accounts. All these accounts and returns must be submitted to the Superintendent of Insurance. Where the insurer is domiciled outside British India, and prepares forms of accounts substantially the same as those required by this Act for submission to a public authority in the country of domicile, a separate balance sheet and profit and loss account in respect of Indian business need not be compiled, but separate revenue accounts and life valuation reports on Indian business must be submitted.

Every insurer must maintain one register containing full details of policies issued and another giving details of all claims made, whether paid or not.

Investments in India.

Every insurer incorporated in India or the United Kingdom shall maintain investments in certain defined securities (a certain proportion of which must be Indian Government securities) in amount equivalent to 55 per cent. of the sum of his liabilities to holders of Life Insurance policies, on account of matured claims and the reserve for outstanding claims.

Insurers incorporated outside British India or the United Kingdom must maintain similar investments to the extent of the whole of their liabilities set out above.

All companies are, however, allowed to deduct the amount of their deposits with the Reserve Bank of India in respect of Life Insurance.

Remuneration of Managing Agents & Others.

Notwithstanding anything to the contrary existing in the Articles of Association of an insurer, or in any agreement, or in the Companies Act, Managing Agents will cease to hold office within three years of the commencement of the New Act. Further, from the commencement of the New Act the total remuneration which a Managing Agent can receive by way of salary, commission, or allowances for his services, must not exceed Rs 2,000 per month.

The Act lays down that no rebate of commission or premium shall be made directly or indirectly to insured, except such rebate as is allowed by the published prospectuses of the insurer. Penalties are provided against both the giver and the receiver of illicit rebates.

Persons engaged in soliciting or procuring insurance business must have a licence from the Superintendent of Insurance, and the maximum scales of commission on premium are as follows:—

Life Insurance business—40 per cent. of 1st year's premium and 5 per cent of renewal premiums.

Other Insurance business—15 per cent of the premium.

During the first ten years of their business for Life Insurance only, insurers may pay 55 per cent of the first year's premium and 6 per cent of renewal premiums.

The remuneration of the chief agents remains a matter for the discretion of the insurer.

The Bill provides that no policy of insurance shall, after the expiry of two years from the date on which it was effected, be called in question by the insurer on the grounds that a statement made in the proposal, or in any other document leading to the issue of the policy, was inaccurate or false unless the insurer shows that it was a material misstatement, was fraudulently made by the policy-holder, and that the policy-holder knew at the time of making it that the statement was false.

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January, 1937, shall be registered unless he has as working capital a net sum of not less than fifty thousand rupees exclusive of the deposits to be made before registration under sub-section (6) of section 6 of this Act, and exclusive in the case of a company of any sums payable as preliminary expenses in the formation of the company.

Where the business done or to be done is marine insurance relating to country craft and/or its cargo, ten thousand rupees only

Deposits.

Before an insurance company can carry on business in British India, the following deposits must be made with the Reserve Bank of India, either in cash or in approved securities, estimated at the market value of the securities on the day of deposit —

| | |
|--|--------------|
| (a) Life Insurance business | Rs. 2,00,000 |
| (b) Fire Insurance business | " 1,50,000 |
| (c) Marine Insurance business | " 1,50,000 |
| (d) Accident, Motor Car, Workmen's Compensation and Miscellaneous Insurance business | " 1,50,000 |

When an insurance company carries on more than two of the above classes of business, the deposits are not necessarily cumulative, and the total amount to be deposited is reduced

Special arrangements in respect of insurers acting on behalf of Lloyds, or similar Associations of underwriters, are made

In all cases, deposits may be made by instalments, and the period of time allowed for the payment varies from one to ten years, the general principle being that longer time is given to indigenous life companies

Securities already deposited under the Indian Life Assurance Companies Act, 1912, can be utilised towards the deposits required under the new Act.

Where the deposit is to be made by an insurer incorporated before, or carrying on the business of insurance in British India before, the 26th day of January, 1937, the deposit referred to in sub-section (1) may be made in not more than seven instalments, of which the first shall be not less than one-fourth of the total amount of the deposit and shall be paid before the application for registration is made, the second shall be not less than one-sixth of the balance of the deposit and shall be paid before the 1st day of January, 1930, and the subsequent instalments shall be of not less than the same amount as the second instalment and shall be paid before the 1st day of January of each succeeding year

Life Fund.

The Act provides that the excess of receipts over payments in respect of Life Insurance business must be carried to and form part of a separate fund, which is absolutely the security of policy-holders and cannot be utilised for any other class of business in which the insurer may be engaged

Further, the Life Insurance business of an insurer must be subject to a quinquennial valuation by a qualified actuary, and a full report made to the Superintendent of Insurance for his scrutiny.

Accounts.

The Act further lays down that all insurers must keep separate accounts of all receipts and payments for each class of business, and in the case of those companies domiciled outside British India, separate accounts must be kept to show the results of their operations in India

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Save and except where it is instituted by the Superintendent of Insurance, no proceedings under this Act against an insurer or any director, manager or other officer of an insurer or any person who is liable under section 36(2) shall be instituted by any person unless he has previous thereto obtained the sanction of the Advocate General of the province where the principal place of business in British India of such insurer is situate to the institution of such proceedings.

(1) An appeal shall lie to the Court having jurisdiction from any of the following orders, namely —

- (a) an order under section 3 refusing to register or cancelling the registration of an insurer,
- (b) an order under section 4 directing the insurer to change his name,
- (c) an order under section 37 cancelling the license issued to an agent,
- (d) an order under section 65 refusing to register an amendment of rules;
- (e) an order under section 77 directing an enquiry by an auditor or actuary; or
- (f) an order made in the course of the winding up or insolvency of an insurer or a provident society.

In cases where a definite number of premiums is payable a policy of life insurance on which all premiums have been paid for three consecutive years shall acquire a guaranteed surrender value and notwithstanding any contract to the contrary shall not lapse by reason of non-payment of further premium but shall notwithstanding such non-payment be kept alive to the extent of its paid up value.

COAL MINES (TEMPORARY) REGULATIONS, 1937.

3. (1) The Chief Inspector may require the manager of any mine in which, or in any part of which, a mechanical ventilator is in use, to submit within one month Standing Orders specifying the action that shall be taken with respect to the withdrawal of workmen from such mine or such part of the mine in the event of a stoppage of the mechanical ventilator.

4. (1) In any mine in which inflammable gas has been found during the previous twelve months, all unused workings in which inflammable gas may accumulate and which are not permanently sealed off, shall, at least once in every week, be inspected for the presence of inflammable gas, by the competent person appointed under regulation 70 of the principal Regulations.

5. (1) In every mine or part of a mine in which the use of safety lamps is for the time being required in pursuance of regulation 123 of the principal Regulations, a competent person appointed in writing, by the manager for the purpose, shall search all persons employed below ground immediately before they enter the mine or part for the purpose of ascertaining whether they have in their possession any match, smoking apparatus, or any apparatus of any kind for striking a light except within a completely closed chamber attached to the fuse of a shot

(2) The person conducting the search shall—

- (a) search or turn out all pockets;
- (b) pass his hand over all clothing; and
- (c) examine any article in the workman's possession

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Provident Society.

No provident society shall receive any premium or contribution for insuring money to be paid to any person other than the person paying such premium or contribution or the wife, husband, child, grand child, parent, brother or sister, nephew or niece of such a person.

Every provident society shall at the expiry of the calendar year prepare a revenue account and balance-sheet in the prescribed form verified in the prescribed manner, together with a report on the general state of the society's affairs and shall cause the revenue account and balance-sheet to be audited by an auditor

Provincial Government may, subject to any rules which the central government may make, empower the Registrar of Co-operative Societies of the province to register Co-operative Societies for insurance of cattle or crop or both under provisions of the Co-operative Societies Act in force in the province. Provincial government may make rules, not inconsistent with the rules made by the central government, to govern such societies, and provisions of this Act in so far as they are inconsistent with those rules or regulations shall not apply to such societies

Every Mutual Insurance Company and every Co-operative Life Insurance Society shall, in respect of the life insurance business carried on by it in British India, deposit and keep deposited with one of the offices in India of the Reserve Bank of India, for and on behalf of the Central Government, a sum of two hundred thousand rupees in cash or in approved securities estimated at the market value of the securities on the day of deposit.

The deposit referred to above may be made in instalments, of which the first shall be a payment, made before or at the time the application for registration under this Act is made, of 25 thousand rupees, or such sum as with any deposit previously made by the insurer under the provisions of the Indian Life Assurance Companies Act, 1912, brings the amount deposited up to twenty-five thousand rupees, and the subsequent instalments shall be annual instalments made before the expiry of each subsequent year of an amount in cash or in approved securities estimated at the market value of the securities on the day of payment of the instalment equal to one-third of the gross premium income received in the previous year

Notwithstanding the provisions of section 79 and section 131 of the Indian Companies Act, 1913, a Mutual Insurance Company and Co-operative Insurance Society may, instead of sending the notices and the copies of the balance-sheet, revenue account and other documents which they are required to send to the members under those sections, publish such notices or documents once in a newspaper published in the English language and in a newspaper published in an Indian language circulating in the place where the principal office of the company is situated

Except as otherwise provided in this Act any insurer who makes default in complying with or acts in contravention of any requirement of this Act, and, where the insurer is a company, any director, managing agent, manager or other officer of the company, or where the insurer is a firm, any partner of the firm who is knowingly a party to the default, shall be punishable with fine which may extend to one thousand rupees and, in the case of a continuing default, with an additional fine which may extend to five hundred rupees for every day during which the default continues

Past Master—Dr. M. N. Mahadevan; Honorary Secretary—Mr. Elliot Miller; Honorary Treasurer—Mr. C. J. Cole; Representative on the Municipal Commission—Mr. R. Sutramdas; Representative on the Auxiliary Force Advisory Council—Captain J. R. Campbell; Representative on the Mysore Chamber of Commerce—Mr. D. McEwan; Representative on the Excise Advisory Committee—Major A. S. Andrews; Representative on the C. & M. Station Soldiers' Board—Mr. A. H. Bridle; Committee Members—Mr. J. M. Charles, Mr. F. Webb; Mr. C. A. Forde, Mr. R. Sutramdas; All past masters are ex-officio members of the Committee.

Bengal Mill Owners' Association, 3, Lyons Range, Calcutta—Members:—Kesoram Cotton Mills, Bengal Luxmi Cotton Mills Ltd., Mohini Mills Ltd, Dhakeswari Cotton Mills Ltd, Basanti Cotton Mills Ltd., Muhluxmi Cotton Mills Ltd., Luxminarayan Cotton Mills Ltd., Bango-doya Cotton Mills Ltd, Jagadhatri Cotton Mills Ltd, Bangasari Cotton Mills Ltd, Bagerhat Co-operative Weaving Union Ltd, Sri Durga Cotton Mills Ltd, Vidyasagar Cotton Mills, Ltd, Secy. S Bhattacharjee.

Bengal National Chamber of Commerce, 2, Royal Exchange Place, Calcutta—President—Sir Hari Sanker Paul, Kt, M.L.A. (B. K. Paul & Co. Ltd.); Vice-Presidents—Dr. N. N. Law, M.A., Ph.D., (Bangeswari Cotton Mills Ltd.) and Mr. A. C. Sen, (D M. Das & Sons Ltd.); Hon'y Treasurer—Dr. Satya Churn Law, M.A., Ph.D.; Members of the Executive Committee—The Hon'ble Mr. Nalin R Sarker, M.L.A.; Mr. S. C. Mitra, (Jalan Mitra & Co.), Mr. Sadhan Chandra Roy (Wilson & Roy); Kumar Kartick Churn Mullick (Raja D. N. Mullick & Sons, Ltd.), Mr. Arun Prokash Boral, (Prosad Das Boral & Bros.); Mr. D. N. Sen (Bengal Glass Works Ltd); Capt. N. N. Dutt, M.B (Bengal Immunity Co Ltd.); Mr. Jiban Krishna Mitter, M. B Maitra (Calcutta Chemical Co. Ltd); Mr. R. Ray (Ray & Ray); Mr. S. C. Ray, M.A., B.L. (Aryasthan Insurance Co. Ltd); Mr. Bonwari Lall Roy; Mr. Jogendra Kishore Das, M.A., B.L. (M. Bhattacharyya & Co.); Mr. Netal Charan Paul, (M. R. Paul & Co.); Mr. Benode Gopal Mookerjee (Gangadhar Banerjee & Co.); Mr. Kshitish Chandra Gupta; Mr. P. C. Coomar (P. C Coomar & Co); Mr. Narendra Chandra Dutta, M.L.C.; Comilla Banking Corporation Ltd; Mr. A. C Mitter, (Ghosh & Mitter); Mr. Kumar Krishna Mitter; Mr. J. N. Lahiri, (Bengal Chemical & Pharmaceutical Works Ltd); Mr. B C. Ghose, B Com (Lond.) B.Sc. (Lond.) (Sisir Soap Works); Mr. N. N. Rakshit (Tatanagar Foundry Co.); Mr. H. P. Bagaria (East India Jute Association Ltd.); Mr. Nirmal Chandra Ghosh, Rai G. C. Das Bahadur; Mr. Ashutosh Bhattacharyya, (Paddy Merchants' Association), Dr. N. Sanyal, M.A., Ph.D., M.L.A.; Mr. J. N. Banerjee; Mr. I. B. Sen; Rai A. C. Banerjee Bahadur, C.I.E, (A. C. Banerjee & Co.), Mr. Amar Krishna Ghosh, (Bengal Insurance & Real Property Co Ltd), Secretary—Mr. J. N. Sen Gupta, M.A., B.L.; Asst. Secretary—Mr. S R Biswas, M.A.

Bombay Cotton Brokers Association Ltd., 37, Shaikh Memon Street, Bombay 2—President—Begiaj Gupta; Vice-Presidents—Surajmalji Nemani and Brjraj Lungta

Bombay Presidency Trades Association, Ltd., 217-219, Hornby Road, Bombay—Office bearers 1937-38 —Master:—W. J. Wells, Esqr., Immediate Past Master —F. W. Charlesworth, Esqr.; Honorary Treasurer —E. E Symes, Esqr.; Committee—Messrs. L. A. Stronach; A. M. Ballingall; H. Harland, D. R. Wildson, H. G. Lee and E. W. Fairbrass; Honorary Secretary:—A. P. Wreford, Esqr., Auditors:—Messrs. Ford, Rhodes & Parks; Solicitors.—Messrs Craigie, Blunt and Caroe

Burma Indian Chamber of Commerce, 74, Mogul Street, Rangoon:—Office-bearers for 1937-38 —President. Mr. M. I. Keekeebhai, Vice-

THE SPHERE OF TEA: An exposition of the cultivation, Manufacture and Trade of Tea in India. R. 3. Industry Book 'Dept., Calcutta.

COMMERCIAL ASSOCIATIONS

CONNECTED WITH INDIAN TRADES.

THERE are a number of commercial organisations such as the Chamber of Commerce, trade associations and the planters' associations to safeguard the interests of the commercial community and give expression to their grievances to the Government of India and the Provincial Governments as well. One of the most important functions they have to perform is to express their opinion on the various measures adopted by the Government as are likely to wield considerable influence over the commercial, industrial and economic developments of the country. The Central and Provincial Governments also generally invite the views of the leading Chambers of Commerce and Trade Associations before adopting any measures of fundamental importance to the commercial public. The membership of the most prominent of these associations is mainly restricted to European merchants though open to Indians also; but a recent development in progress is the constitution of Indian Chambers of Commerce to focus the commercial sentiment from the Indian point of view. Chief among these are Indian Merchants' Chamber in Bombay, Bengal National Chamber of Commerce in Calcutta, South Indian Chamber of Commerce in Madras, etc., etc. The membership of most of these bodies is confined to the province or city where their headquarters are situated, but they maintain close touch with similar organisations at other trade centres. The European Chambers of Commerce are mostly affiliated to the Associated Chambers of Commerce in India while the Indian Chambers of Commerce have established an association for themselves, which has gained considerable importance as Federation of Indian Chambers of Commerce. These Associations hold their sessions annually.

In view of the very important services these Chambers of Commerce render by voicing the feelings which lead to greater trade and industries, these enjoy special privileges at the hands of the Government. They have the privilege of electing representatives each to the Federal Assembly and to the Legislative Councils of their Local Governments. Besides a number of seats are allotted to labour associations in the Legislative Councils of the major Provinces. The Chambers are also represented in quasi Government institutions.

CHAMBERS OF COMMERCE & TRADE ASSOCIATIONS.

A list of chambers of commerce and trade associations with their Executive Committee follows—

Ahmedabad Millowners' Association, Khanpur Road, Ahmedabad—President Sheth Sakarlal Balabhai, M.L.A., Vice-President Sheth Naranlal Jivanlal. Members Messrs Kasturbhai Lalbhai, Chinubhai Lalbhai, Ramanlal Lallubhai, Ratilal Nathalal, Shantilal Mangaldas, Chandulal Pitamberdas, Nanddas Haridas, Mathuradas Mangaldas, Maganlal Bhikhabhai, Narottambhai P. M. Hathising, Dhurajlal Khushaldas, Ben Maisden Secy. B. L. Umarwadia, B.A., LL.B.

Bangalore Trades Association, 17A, South Parade, Bangalore—Office-bearers for 1937-38—Master—Major A. S. Andrews, Immediate

THE SPHERE OF TEA: An exposition of the cultivation, Manufacture and Trade of Tea in India. Rs. 3. Industry Book Dept., Calcutta.

by the Government of Bombay:—Dr. Vishram Hari Patil, Ph. D., V. C. Giryappanavar, Esq., B.A., LL. B.

Federation of Baroda State Mills & Industries, Baroda—Member-bodies: Baroda Spg & Wvg. Mills Ltd., New Baroda Mills Ltd., Shri Sayaji Mills Ltd., Shri Jagdish Mills Ltd., Shri Dinesh Mills Ltd., Rajpatna Naranbhai Mills Ltd., Petlad Bulakhidas Mills Ltd., Keshav Mills Ltd., Bharat Vijay Mills Ltd., Navjivan Mills Ltd., Chhotalal Mills Ltd., Sidhpur Mills Ltd., Shri Sayaji Jubilee Cotton & Jute Mills Ltd., Mafatal Fine Spg. & Mfg. Co Ltd, Gackwar Mills Ltd., Alembic Chemical Works Ltd, Baroda Chemical Works, Petlad Turkey Red Dye Works Ltd., Navsari Electric Co Ltd, Sayaji Iron Works, S. I. Works Quarry, Baroda Bolt & Eng Co., Baroda Oil Mills, Vitthal Oil Mills, Baroda Tile & Pottery Works, Motilal Nathalal Ginning Factory, Datar Match Factory, Messrs A. Sheth & Co, Parikh Vrajbhukhandas Ambaldas. President—Chhotalal B. Patel, Hon. Secretary & Treasurer:—Balvantrai M. Trevedi, Hon. Auditor—Nathalal Khemsheldas.

Federation of Indian Chambers of Commerce and Industry, Scindia House, Curzon Road, New Delhi—President—The Hon'ble Sir Rahimtoot M. Chinoi, Kt. Vice-President—Mr. Jamshed N. R. Mehta. Members of the Committee—Lala Shri Ram, New Delhi; Mr. Kasturbhai Lalbhai, Ahmedabad; Mr. B Das, M.L.A., Cuttack; Mr. Walchand Hirachand, Bombay; Mr Chunilal B. Mehta, Bombay, Mr. M. L. Dahanukar, Bombay, Lala Padampat Singhania, Cawnpore; Drwan Bahadur C. S. Ratnasabapathy Mudaliar, Coimbatore, The Hon'ble Mr N R Sarkar, Calcutta, Mr Debes Chandra Ghose, Jalpaiguri; Mr. P. S. Sodhbans, Lahore. Honorary Treasurers—Mr A. L. Ojha, Calcutta, Mr. D. N. Sen, Calcutta Co-opted Members:—Mr. D. P. Khaitan, Calcutta; Mr. G. L. Mehta, Calcutta; Mr M. C. Ghia, Bombay; Rao Bahadur Shivratan G. Gohatta, Karachi; Lala Gurusharan Lal, Gaya; Mr. Maha Narain, Delhi Secretary—Mr. D. G. Mulherkar.

Hosiery Manufacturers' Association, Ludhiana—Office bearers:—President—B. Maharaj Krishan Adya; Vice-President—Pandit. Naratan Chand Sund; G Secy—R. S. L. Amer Nath, Secy:—L. Naurata Ram Marjara, Executive Councillors—M. Amer Nath B A; S Amer Singh Ahluwalia; Mian Abdul Hakim; Seth Bansu Lal Talwar; L. Basant Ram Beri, L. Babu Ram Sama, L. Padam Dass Dhandia; L. Pyara Lal Khosla, L. Panna Lal Jam; L. Chandu Lal; L. L. Charan Dass Soni; L. Chanan Ram Mohindra; L. Dina Nath Khosla; L. Kishore Chand Aggerwal, L. Kishori Lal Khanna, L. Kalwant Rai; L. Ram Lal Nayar B. A.; L. Ram Saroup; L. Madan Mohan Bahal; Bawa Maher Singh; Pt Mohohar Lal Ratna; L. Sham Lal Bhakoo; Pt. Ganga Ram; L. Hans Raj; Members of the Board of Arbitrators:—L. Dina Nath Khosla, L. Ram Lal Nayar B. A., L. Kishore Chand Aggerwal.

Indian Chamber of Commerce, Tuticorin—The Chamber is allowed three representatives on the Port Trust of Tuticorin, one on the Excise Licensing Board, Tuticorin, and one joint seat in the South Indian Railway Advisory Committee (in common with the Madura-Ramnad Chamber of Commerce, Madura). The Chamber undertakes Survey and Arbitration, Trade Mark Registration, and Measurement, Weighment work for purposes of exports and imports, besides the general work of safeguarding the interests of trade. Subscription Rs. 12/- p. annum payable quarterly. Entrance fee Rs. 2/-. Mofussil members Rs. 5/- p. a. President—A. M. M. Abdul Kader.

Indian Chamber of Commerce, Deshi Beopar Mandal, Lahore—The Chamber is affiliated to the Federation of Indian Chamber of Commerce and Industry and is a member of International Chamber of Commerce, Paris. The Chamber has Trade Mark Registration department and has

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Presidents.—Mr Mohanlal Kalidas, M. A. Latiff Ebrahim Secretary.
—Mr. K. M. Desai, B Com.

Butter Manufacturers' Association, 315 Grant Road, Bombay, 7—
Secy B D Mistry.

Calcutta Grain, Oilseed & Rice Association, Royal Exchange, Calcutta—**Members**—Bansidhar Baijnath, Bansidhar Ghanshyam Dass, The Cotton Agents Ltd, Daulatram Rawatmull, Gangjee Sajun & Co, Andrew Yule & Co. Ltd, Managing Agents, Howrah Flour Mills Ltd, Mitsui Bussan Kaisha, Ltd (Seeds and Rice Dept), Kanuram Hazarimull, Shaw Wallace & Co, Shewnarayan Keshwadeo, Surajmull Ghan-shamdass, Ramsahamull More.

Calcutta Hydraulic Press Association, Royal Exchange, Calcutta—**Members**—Chitpore Jute Press Ltd, Campedown Pressing Co Ltd, Nasmyths Patent Press Co Ltd, New Cossipure Jute Press, Suraj Press, Empress of India Jute Press, Imperial Jute Press, Vishnu Jute Press, Ocean Jute Press, Ralli's Jute Press, Ganges Jute Press, Hooghly Hydraulic Press, Ashcroft Jute Press (Jheel Press), Shiva Jute Press, New India Press, Hanuman Jute Press, Atlas & Union Jute Presses, Calcutta Hydraulic Press, Central Hydraulic Press, Ghooseiy Jute Press, Golabary Co. Ltd, Reliance Jute Press

Calcut Chamber of Commerce, Beach Road, Calcut—**Members of the present Committee**—Mr. W. K. M. Langley, OBE, M.L.A., Chairman, Mr C. J. Templeman & Mr. F. Ferielly, Members, Mr R. W. Royston, Hony Secretary

Chinese Chamber of Commerce, 62, Lattin Street, Rangoon—**Chairman**—Mr. Teoh Eng Hock, **Vice-Chairmen**—Mr Tan Keat Choung and Mr. Li Wah Lam, **Standing Executive Committee**—Mr. Teoh Eng Hock, Mr Tan Keat Choung, Mr Li Wah Lam, Mr. Lee Boon Tin; Mr Khoo Ee Khwet, Mr Cheng Choon Yen. **Executive Committee**—Mr Lim Law Gwe, Mr Lim Kim Ow, Mr Tan Han Ti, Mr. Aung Oo Swee, Mr Htam Swee Shoon, Mr Lee Choon Keng, Mr. Lee Chee Choong, Mr Chaw Chan Hing, Mr Yang Beng Tway, Mr Lim Tong Po, Mr Kway Ee Leong, Mr Yap Chung Say, Mr. Gor Boon Koo, Mr. Lee Hong Seng, Mr Hoe Chew Nam, Mr. Tan Shoung Kang, Mr Saw Taik Leong, Mr Keong Kee Chit, Mr Tan Paw Ait, Mr Aum Kim Hmein, Mr Saw Hoke Sheon, Mr. Tan Ba Cheng, Mr. L. Choon Fong, Mr. Cheong Kock Khee, Mr Saw Lei Aeong **Secretaries**.—Mr. Tan How Kee (Chinese Section) and Mr William Tseng (English Section).

Delhi Factory Owners' Federation, New Delhi—**President**—Lala Bal Nath Sayal, (The Crown Flour Mills, **Members of the Executive Committee**—Lala Shri Ram, (The Delhi Cloth & General Mills Co Ltd), Mr Desh Bandhu Gupta, M L A, (The Editor, "Tej"); Lala Banwar Lal, (Bhanamal Gulzarimal), Mr R K Saxena, Gwalior Potteries, Ltd), Dr. Seth, (Delhi Colour & General Works); Mr H J Donkin, (General Manager, Delhi Electric Supply & Traction Co, Ltd), **Secretaries**—Messrs A F Ferguson & Co, Chartered Accountants

East India Cotton Association, Limited, Taj Building, Hornby Road, Bombay—**President**—Sir Purshotamdas Thakurdas, Kt, C I E, MBE, **Vice-President**—Haridas Madhavdas, **Buyers' Panel**—Ram-nivas Ramnarain, Esq, Chandrakant Mulraj Khatau, Esq, J. R Kay, Esq, Tulsidas Kilachand, Esq; **Sellers' Panel**—Jannadas Ramdas, Esq, Fatehchand Jhunjhunwala, Esq, Bhawanji A Khimji Esq, M. L. A; **Brokers' Panel**—Begaj Gupta Esq, Chunilal B. Mehta Esq, Ramdeo A Podar, Esq, Prataprai Manmohandas Mehta, Esq, Ratilal T Thakkar Esq, Brijlal Ramjidas Rungia Esq, Nominated by the Indian Central Cotton Committee—Sardar Rao Bahadur Bhimbhai R Naik, M P. Kolhe, Esq, M L A, Mian Nurullah, M L A; Nominated

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Ltd.); D. P. Khaatan, Esq.; Lala Shri Ram; Seth Valchand Hirachand, (Mansland Price & Co. Ltd.), F. A. Sherwani, Esq., (The Neoli Sugar Factory); A. I. Cameron, Esq., (Andrew Yule & Co. Ltd.); Lalchand Hirachand, Esq., (Ravalgaoon Sugar Farm Ltd.) R. Ananthasubramanyam, Esq., (Mysore Sugar Co. Ltd.); R. L. Nopany, Esq., (Daulatram Rawatmull.); J. Aitken, Esq., (James Finlay & Co. Ltd.), Lala Jaswantrao, (Jaswant Sugar Mills), D. Khaatan, Esq., (Bhaarat Insurance Co. Ltd.); Secretary:—Mr. S. R. Dhadda.

Karachi Indian Merchants Association, Nicol Road, Karachi.—President Rao Bahadur Seth Shivratan G. Mohatta Secy. T. M. Gurbazami, B.A. The Association has representatives on Sind Legislative Assembly, Karachi Municipal Corporation, Karachi Port Trust, Indian Central Cotton Committee, Advisory Communications Board, Karachi Railway Advisory Committee, Railway Rates Advisory Committee (Panel), Income Tax Appeal Panel, Lloyd Barrage Advisory Committee, Sind Provincial Board of Agriculture, Sind Cotton Committee, etc., etc.

Marwari Association, 160A, Chittaranjan Avenue, Calcutta—Office bears for 1937-38—President—Bajjnath Bajoria M.L.A.; Vice-Presidents—Dwijchand Poddai; Rajendra Singh Singhi, Gobindram Bangur; Ramdhandass Jhanyharia, Honorary Secretary:—Babulall Shroff, Jt Honorary Secretary—Madan Gopal Poddar, Treasurer.—Harikrishna Jhanyharia, Auditor—Mulidhar Sonthalia. The following are the Association's representatives on public bodies: Legislative Assembly—Babu Bajjnath Bajoria M.L.A.; Legislative Council—Rai Muntoolal Tapuriah Bahadur, Board of Economic Enquiry, Bengal—Babu Babulall Shroff, Banking Enquiry Committee, Bengal—Babu Babulall Shroff.

Marwari Chamber of Commerce, 203/1, Harrison Road, Calcutta—President. Mr. S. K. Bhattar, Vice-Presidents: Seth H. P. Poddai, M.L.C., Mr. G. Bagaria, Mr. G. D. Mohata, Mr. Mangtunam Jaipuria; Hony. Secy. Mr. B. N. Bhiwaniwalla; Joint Hony. Secy. Mr. K. L. Dhandhana; Joint Asst Secy Mr. P. L. Agarwal, Treasurer M/S. Jeewanram Gangaram, Auditor: Mr. Khetsidas Harlalka.

Merchants' Chamber of United Provinces, Civil Lines, Cawnpore—The constitution of the Chamber which is registered under Indian Companies Act, 1913, with a license under Section 26, provides for an Executive consisting of 1 President, 2 Vice-Presidents and 12 ordinary members of the Council. A whole time Secretary is attached to the organisation. The principal office-bearers for the year 1937 are as follows—President.—Mr. S. M. Bashu, Senior Vice-President.—D. Inder Singh, Junior Vice-President.—L. Ram Ratan Gupta; Secretary:—Mr. K. M. Purkayastha, M.A. The Chamber is represented on United Provinces Legislative Assembly, U. P. Board of Traffic and Communication, Court of the Lucknow University, U. P. Employment Board and other spheres of public Service.

Motor Manufacturers and Importers' Association Ltd., Bank of Baroda Building, Apollo Street, Bombay—Members.—Messrs Allied Motors Ltd., Automobile Co. Ltd., Bombay Cycle & Motor Agency Ltd., Bombay Garage, Dadajee Dhackjee & Co, Deccan Motor Service Ltd., Ford Motor Co. of India Ltd., French Motor Car Co. Ltd., General Motors India Ltd., Metro Motors, Morris Industries (India) Ltd., Silver Jubilee Motors Ltd., Swiss Engineering Co. Ltd., United Motors (India) Ltd.

Nagapatam Chamber of Commerce, Nagapatam—President:—Mr. A. M. P. Suborya Chettiar, M.L.A.; Vice-President:—K. V. Nagaraja Iyer.

CATTLE BREEDING & DAIRYING: A handbook on keeping Cows. Price As. 4. **INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.**

a board of arbitration to settle commercial disputes. The Chamber also issues certificates of origin of goods manufactured in India. Members of the Committee for 1937-38:—President—Khan Bahadur Saïdar Habib Ullah, Bui-at-Law—Lahore, Vice-Presidents—Mr. S. R. Jariwala, M.A., LL.B., Agent, Central Bank of India Ltd., Lahore and Mr. H. D. Mehta, Managing Director, Northern India Insurance Co. Ltd., Lahore; Honorary Secretary:—Lt. Saidai P. S. Sodhambans, F. L. A. A. (Lond), R.A. Honorary Assistant Secretary—Mr. H. S. Balhaya, F. R. E. S. (Lond), D. Com., (I. M. C.).

Indian Life Assurance Offices Association, 12, Rampart Row, Fort, Bombay—Members.—Andhra Insurance Co. Ltd., Asian Assurance Co. Ltd., Asiatic Gott Security Life Assce Co. Ltd., Bengal Insurance & Real Property Co. Ltd., Bharat Insurance Co. Ltd., Bombay Co-operative Insee Society Ltd., Bombay Life Assurance Co. Ltd., Bombay Mutual Life Assce Society Ltd., Calcutta Insurance Co. Ltd., Commonwealth Assurance Co. Ltd., Depositors Benefit Insee Co. Ltd., East & West Insurance Co. Ltd., General Assurance Society Ltd., Himalaya Assurance Co. Ltd., Hindusthan Co-operative Insee Society Ltd., Hindu Mutual Life Assce Ltd., India Equitable Insurance Co. Ltd., Indian Mutual Life Association Ltd., Industrial & Prudential Assurance Co. Ltd., Indian Mercantile Insee Co. Ltd., Indian Globe Insurance Co. Ltd., Indian Life Assurance Co. Ltd., Jupiter General Insurance Co. Ltd., Lakshmi Insurance Co. Ltd., Metropolitan Insurance Co. Ltd., National Insurance Co. Ltd., National Indian Life Insee Co. Ltd., Nagpur Pioneer Insurance Co. Ltd., New Insurance Ltd., Oriental Govt. Security Life Assce Co. Ltd., Presidency Life Insurance Co. Ltd., Star of India Insurance Co. Ltd., Sunlight of India Insee Co. Ltd., United India Life Assce Co. Ltd., Universal Fire & General Insee. Co. Ltd., Zenith Life Assurance Co. Ltd., Eastern Federal Union Insee Co. Ltd., Neptune Assurance Co. Ltd., New India Assurance Co. Ltd., Western India Life Insurance Co. Ltd.

Indian Planters' Association, Mysore, Chikmagalur, P. O. Mysore—President.—Mr. Jayle Ganesh Rao, Vice-President.—Mr. S. N. Ramanna, B. A., LL. B., Secretaries.—Mr. Sylvester Pals, B.A., Mr. S. Annappa Setty, Managing Committee Members.—Messrs. Jayle Ganesh Rao, President, S. N. Ramanna, B.A., LL. B., Vice-President, C. P. Basave Gowda, B. M. Anne Gowda, M. Krishna Setty, D. C. Rudrappa, P. F. Noronha, C. R. Nivranappa Setty, Sylvester Pals, S. Annappa Setty, G. S. Abdul Hameed, L. J. Mathias.

Indian Roads and Transport Development Association Ltd., 41, Nicol Road, Ballard Estate, Bombay—President.—The Hon'ble Mr. R. H. Parker, J. P., Vice President.—D. E. Gough, Esq., B. Sc., Members of Council.—Sir Ernest Miller, Kt., Major General Sir Reginald Ford, K. C. M. G., C. B., D. S. O., Sir Ness Wadia, K. B. D. C. I. E., J. P., R. J. Watson, Esq., H. E. Ormerod, Esq., J. P. S. Guevick, Esq., Nurmahomed M. Ghinoy, Esq., J. P. H. A. Lindquist, Esq., T. R. S. Kynnersley, Esq., W. B. Whiteside, Esq., F. W. Klatt, Esq., G. H. Cooke, Esq., J. P. W. J. Turnbull, Esq., B. Sc. General Secretary.—Lt. Colonel H. C. Smith, O. B. E., M. C. Delhi Branch: P. O. Box 56, Delhi Branches are also in existence in Bombay, Calcutta, Madras, Karachi, Assam, Lahore, and Rangoon.

Indian Sugar Mills Association, 135, Canning Street, Calcutta—Committee for the year 1937-38.—President.—D. R. Narang, Esq., (Basti Sugar Mills Co. Ltd.), Vice-Presidents.—Lala Karamchand Thapar, Lala Karamchand Thapar, Lala Haimraj Swarup, (Upper Jumna Swadeshi Sugar Mills). Members of the Committee.—Sardar Kripal Singh, (Saraya Sugar Factory), B. L. Gray, Esq., (Begg Sutherland & Co.

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Rangoon Times Press, Rowe & Co., Ltd., Savoy. Watson & Son, Ltd., Whiteaway, Laidlaw & Co., Ltd.

South Travancore Planters' Association, Isfield Estate, Kalthuritty P.O., S. I.—Members—Malayalam Plantations Ltd., Poonmudi Tea and Rubber Co. Ltd., Murphy Estates Ltd., Rajagiri Rubber and Produce Co., Ltd.

Travancore Chamber of Commerce, Alleppey, Travancore—Members—The Alleppey Company, Ltd., W. T. Anderson & Co., Aspinwall & Co., Ltd., The Bombay Company, Ltd., Darragh Smal & Co., Ltd., M. Dharamsey Wagjee, Wm. Goodacre & Sons, Ltd., Hajee Haroon Tayeb & Son, Hajee Hassan Yacoob Sait, Harrisons & Crosfield Ltd., Hayero Trading Co., Ltd., Hopkin & Williams (Travancore) Ltd., Madura Company, Ltd., Peirce, Leshe & Co., Ltd., F. X. Pereira & Sons, Travancore National & Quilon Bank Ltd., S. P. Ramaswami Iyer, State Aided Bank of Travancore Ltd., A. V. Thomas & Co., Ltd., Volkart Brothers' Agency.

Tuticorin Chamber of Commerce, Tuticorin, S India—Members—A. & F. Harvey, Madura Co., Ltd., Volkart Bros., Ralli Bros., Ltd., National Bank of India, Ltd., Imperial Bank of India, Tinnevely-Tuticorin Electric Supply Co., Ltd., South Indian Railway Co. Ltd., Harrisons & Crosfield Ltd., Aspinwall & Co. Ltd.

United Planters' Association of Southern India, (Incorporated), Glen View, Coonoor, Nilgiris—President—Mr. C. R. T. Congreve, Tea Section Member—Mr. R. N. W. Jodiell; Coffee Section Member—Mr. R. C. Morris, Rubber Section Member—Mr. H. R. Carson Parker, Legislative Member—Mr. W. K. M. Langley, OBE, M.L.A., Secretary.—Lt Col. C. H. Brock, OBE, V.D., Chief Scientific Officer—Mr. W. S. Shaw, D.Sc., Ph.D., M.Sc., A.I.C., Coffee Scientific Officer—Mr. W. W. Wayne, B.Sc.; Directors—Mr. A. H. Mackie and Mr. C. Ricketts

SUPPLEMENTARY LIST.

A supplementary list of Indian Chambers of Commerce, Trade Associations and Planters' Associations is given below—

CHAMBERS OF COMMERCE.

Calcutta.

Associated Chamber of Commerce, 2, Clive Street, Calcutta.

Bengal Chamber of Commerce, 2,

Clive Street, Calcutta

Indian Chamber of Commerce,

135, Canning Street, Calcutta.

Secy. M. P. Gandhi.

Muslim Chamber of Commerce,

22, Canning Street, Calcutta.

Bombay.

Bombay Chamber of Commerce,

Mackinnon Mackenzie & Co's

Bldg., Ballard Road, Ballard

Estate, Bombay. Secy. C. H. C.

Munroe.

Indian Merchants' Chamber,

Jehangir Wadia Bldg., Esplanade Road, Fort, Bombay.

Maharashtra Chamber of Com-

merce, Phoenix Building. Graham Road, Ballard Estate.

Bombay.

Marwadi Chamber of Commerce,

232-34, Kalbadevi Road, Bom-

bay.

Memon Chamber of Commerce,

Karim Building, Mohamedali

Road, Bombay No. 3

Cawnpore.

United Provinces Chamber of Commerce, Cawnpore.

Upper India Chamber of Commerce, Cawnpore.

Madras.

Andhra Chamber of Commerce,

99, Armenian Street, George

Town, Madras.

Madras Chamber of Commerce, Madras.

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- Calcutta Tea Traders Association, 2, Clive Street, Calcutta.
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- East India Jute Association, 2, Royal Exchange Place, Calcutta.
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- Indian Mining Federation, 20, Strand Road, Calcutta.
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- Indian Tea Association, 2, Clive Street, Calcutta.
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- Jute Fabric Brokers' Association, 2, Clive Street, Calcutta.
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- Royal Exchange, 2, Clive Street, Calcutta.
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- Sugar Candy Manufacturers' and Dealers' Association, 115, Upper Chitpore Road, Calcutta.
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Southern India Chamber of Commerce, 28-30, North Beach Road, Madras

Karachi.
Karachi Chamber of Commerce, Wood Street, Karachi.

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Burma Chamber of Commerce, 581, Merchant Street, Rangoon
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Association of Engineers, 2, Royal Exchange Place, Calcutta President—Dr. B. N. Dey, D.Sc., (Glas), M.A.E., M.I.E., Secy. S. Banerjee, B.Sc. (Glas), C.P.E., M.A.E., A.M.I.E.

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Bengal Hosiery Manufacturers Association, 2, Ashu Babu Lane, Kidderpore, Calcutta.

Bengal Industries Association, 15, Clive Street, Calcutta.

Bengal Jute Association, 2, Royal Exchange Place, Calcutta.

Bengal Jute Growers' Association, 2, Royal Exchange Place, Calcutta.

Bengal Mahajan Sabha, 4, Raja Bijendra Narain Ray's Street, Calcutta.

Bengal Muslim Trades Association, 14, David Joseph Lane, Calcutta.

Brick Makers' Association, 43, Soa Bazar Street, Calcutta.

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Calcutta Baled Jute Association, 2, Clive Street, Calcutta

Calcutta Tea Assn. Ltd., 7, Old Post Office Str., Calcutta

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Calcutta Fire Insurance Association, 2, Clive St., Calcutta.

Calcutta Flour Mills Association, 2, Clive Street, Calcutta

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Karachi Bepari Mahamandal, P. O. Box 231, Karachi.

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Madras Fire Insurance Association, 2-6, Second Line Beach, Madras.

Madras Marine Insurance Association, 2-6, Second Line Beach, Madras

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Madras Trades Association Kar-
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Madras.

Rice and Grain Merchants' Asscn.,
4th Line Beach, Madras

Southern India Skin & Hide Mer-
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Burma Fire Insurance Association,
591, Merchant St., Ran-
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Burma Marine Insurance Agents
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Street, Rangoon.

Burma Motor Insurance Agents'
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Rangoon, Burma

Burma Motor Association, 15,
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Rangoon, Burma.

Burma Motor Insurance Agents'
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Burma.

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Ahmedabad.

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Association, Maskati Market,
Ahmedabad.

Cotton Brokers Association,
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Gujrat Share and Stock Ex-
change, Maneckchowk, Ahme-
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Mill and Gin Stores Merchants'
Association, Railwaypura, Ah-
medabad.

Mill Cloth Broker's Association,
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Panch Kuva Cloth Merchants'
Association, Panch Kuva, Ah-
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Share and Stock Brokers' Assu-
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bad.

Shroff's Association, Maneck-
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Mofussil.

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Ganj, Agra.

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Benares Industrial & Trade Asso-
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Cawnpore Kapra Committee,
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Narangdas, Chandni Chowk,
Delhi

Cochin Native Merchants' Asso-
ciation, Cochin.

Delhi Hindusthani Mercantile As-
sociation, Egerton Road, Delhi

Delhi Millowners' Assocn., Delhi.

Dyers, Printers, Bleachers and
Finishers Association, Cawn-
pore.

Gwalior Trades Asscn., Ujjain.

Faridpur District Merchants
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Hindustan Mercantile Associa-
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Archaeological Survey, 6, Esplanade East, Calcutta
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Finance, Commerce and Marine Department, 2nd, Block, 2nd. Floor, Writers' Bldg, Calcutta
Revenue Department, Writers' Bldgs, Calcutta
Agriculture and Industries Department, Writers' Bldgs., Cal
Bengal Board of Censors, Police Headquarters, Lall Bazar, Cal
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Bengal Surveys, 41-1, Judge's Court Rd, Alipur, Calcutta
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Port Commissioners, Strand Rd., Calcutta
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Bombay City Survey and Land Records, Old Customs House, Fort, Bombay.
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Companies Registration Office, Old Custom House, Fort, Bombay.
Co-operative Societies, Poona.
Customs, New Custom House, Ballard Road, Bombay.
Embarkation Office, Hd.-qrs. of the Embarkation Comdt, Amar Chand Bldg, Ballard Rd., Post Box No. 381, Bombay.
Excise Department, Bombay.
Improvement Trust, Esplanade Rd, Fort, Bombay.
Income-tax Department, 5, Wallace St., Fort, Bombay.
Indian Medical Service, 1, Lothian Rd., Poona.
Inspectors of Factories, Old Custom House, Fort, Bombay.
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| | | | |
|------------------|-------------------------------|------------|----------------------------------|
| d. | a penny | F.a.q. | Fair average quality |
| D. | Deeds | F.A.S. | Free alongside ship |
| D/A. | Deposit Account | F.D. | Free docks |
| D/A. | Days after Acceptance | Fg. | Fully good |
| D/A. | Deed of Arrangement | F.G.A. | Fair general average |
| | | F. Fa. | Fieri facias (g. v.) |
| | | Fo., Fol | Folio |
| D/A. | Documents against acceptance | F.O.B. | Free on board |
| D/B. | Day Book, Deposit Pass Book | f.o.c. | Free of charge |
| D/d. | Days after date | F.O.R. | Free on rail |
| Deb. | Debenture | f.o.s. | Free on steamer |
| Def. | Deferred | f.o.t. | Free on truck |
| deld. | Delivered | F. P. | Fire policy |
| Dept. | Department | F. P. | Fully paid |
| D/F. | Dead freight | F. P. A. | Free of particular average |
| Dft. | Draft | ft. | Foot or feet |
| Dis., Disc. | Discount | Frt. | Freight |
| Div. | Dividend | fwd. | Forward |
| D/N. | Debit Note | | G |
| D/O. | Delivery Order | G. | Gold, guarantee |
| Do. | Ditto (the same) | G.A. | General Average (insce). |
| Dols. | Dollars | Gall. | Gallon |
| Doz. | Dozen | Gaz. | Gazette |
| D/P. | Document against Payment | G. b. o. | Goods in bad order |
| Dy. | Delivery | Gent. | Gentlemen |
| D/R. | Deposit Receipt | G. gr. | Great gross (144 dozs.). |
| D/S. | Days after Sight | G. m. b. | Good merchantable brand |
| Dr. | Debtor, drachm | G. m. q. | Good merchantable quality |
| D/W. | Dock Warrant, Dead weight | G. o. b. | Good ordinary brand |
| d.w. | Dead weight | Goods. | Goods Train |
| | E | Govt. | Government |
| E. | East | G. P. O. | General Post Office |
| E.E. | Errors excepted | Gr. | Gross, grain |
| e.g., | For example (exempli gratia) | Gr. wt. | Gross weight |
| E/I. | Endorsement irregular | Gs. | Guineas |
| E. & O. E. | Errors and omissions excepted | | H |
| Encl. (s) | Enclosure (s) | hhd. | hogshead |
| Entd. | Entered | H.M.C. | His Majesty's Customs |
| etc. | And so on | H.M.S. | His Majesty's Service or Ship |
| Ex cp., or x/cp. | Ex coupon | H.O. | Head Office |
| | | H. P. | Horse Power |
| | | H. F. N. | Horse Power nominal |
| | | | I |
| x/d. | Ex dividend | I. B. | Invoice Book |
| ex div. | Exclusive of dividend | I/I. | Indorsement irregular |
| Ex. Int. | Ex Interest | Ib., Ibid. | In the same place (Latin ibidem) |
| | F | I. D. H. | Indicated Horse Power |
| F. | Franc | | |
| F.A.A. | Free of all averages | | |

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BUSINESS ABBREVIATIONS.

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| | | | |
|-----------|---------------------------------------|-------------|--|
| Pro. | For | St., Stet. | Let it stand (Latin stet) |
| Pro. tem. | For the time being (Latin protempore) | Stet., Stg. | Sterling |
| Prox. | Of the next month (Latin proximus) | Stk. | Stock |
| P. S. | Postscript (Latin post scriptum) | Str. | Steamer |
| P. T. O. | Please turn over | T | |
| Pt | Pint | T. | Tons |
| Q | | T.B. | Trial Balance |
| Qr. | Quarter, quire | T.C. | Till Countermanded (used in advertising) |
| Qt. | Quart | T. E. | Trade expenses |
| q. v. | Which see (Latin quod vide) | Tfr. | Transfer |
| Qv. | Query | T. M. O. | Telegraphic Money Order |
| R | | T. Q. | Telegraph Office, Turn over |
| R. | Rupee | T. T. | Telegraphic Transfer |
| R/A. | Refer to acceptor | Tsr. | Treasurer |
| R/D. | Refer to Drawer | U | |
| R. A. P. | Rupees, annas & pies | U/a | Underwriting account |
| Re | With reference to, in regard to | U. V. | Uncollected vouchers |
| Recd. | Received | U/W. | Underwriter |
| Recpt. | Receipt | Ult. | Of the last month (Latin ultimo) |
| Ref. | Reference | V | |
| Regd. | Registered | V. | Against (Latin versus) |
| Retd. | Returned | Via. | By the way of |
| Repd. | Replied | Viz | Namely (Latin videlicet) |
| Rev. A/c. | Revenue Account | Vol | Volume |
| Rm. | Room | V.P.P. | Value Payable Post |
| R M. S. | Royal Mail Steamer | Vs. | Versus |
| R. P. | Reply paid | W | |
| R. R | Railway Receipt, Railway's Risk | W. | West |
| Rs. | Rupees | W.B | Way Bill, Warehouse Book |
| R S V.P. | Reply if you please | W.b. | Water ballast (shipping) |
| Ry | Railway | Wk. | Week |
| S | | Wt. | Weight |
| S. | Silver, South | W.W. | Warehouse warrant |
| \$ | Dollars | X | |
| S B. | Short Bill, Sales Book | xc. | Ex coupon |
| S/D. | Sea damaged | x. d. | Ex dividend |
| S. C. | Sharp cash | x. in. | Ex interest |
| Secy. | Safe custody | Y | |
| S C. | Secretary | Yd. | Yard |
| Shpmt. | Shipment | Yr. | Year |
| Shr. | Share | Yrs. | Yours |
| sl | Small lot | . | Degree |
| Sgd. | Signed | % | By the Hundred (per centum) |
| S/N | Shipment Note | %o | By the Thousand o (per mille) |
| S/O | Sub-Office | | |
| S. O. | Seller's option | | |
| S. P. | Supra protest | | |
| Sq. | Square | | |
| S S., Ss. | Steamship | | |
| S V. | Surrender value | | |

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| | | | |
|-------------|-------------------------------|------------|-------------------------------------|
| Id. | The same (Latin idem) | No nom. | Number Nominal |
| in. | Inch or inches | N P. | Notary Public |
| Inst | Instant, of the present month | N P. F. | Not Provided for |
| Insee. | Insurance | N. S | New Style |
| Int. | Interest | N/S | Not Sufficient |
| Inv. | Invoice, inventory | N. S F | Not Sufficient Funds |
| I O. U. | I owe you | O A. | Old Account |
| Irr. | Irredeemable | O C. | All Correct |
| | J | O/D. | Overdraft |
| J/A. | Joint account | O/d | On demand |
| J/r., Junr. | Junior | OHMS | On His Majesty's Service |
| | L | O K. | All correct |
| £ | Pound (sterling) | O N. | Own Notes |
| L/A | Letter of Authority | O P. | Open Policy |
| lb | Pound (weight) | O R. | Owner's Risk, Official Receiver |
| L B. | Letter Book | | |
| L/C. | Letter of Credit | O/d. | Ordinary |
| £ E | Pounds Egyptian | O/S | On sale |
| L. O. | London Office | O/s. | Outstanding |
| L/P. | Life Policy | oz. | Ounce |
| L S. | Place for the Seal | | P |
| £ s. d. | Pounds, shillings, pence | P/A. | Power of Attorney |
| £ T. | Pounds Turkish | P A., p a. | Yearly (Latin per annum) |
| Led | Ledger | Payt. | Payment |
| Ltd, Ld. | Limited | P. B | Pass Book |
| | M | P/C | Price Current |
| M/A. | Memorandum of Association | P. C | By the Hundred (per centum) |
| max. | Maximum | p c | Per cent, Post card |
| M/D | Months after date | pcs. | Pieces |
| Mdse | Merchandise | Pd. | Paid |
| Memo. | Memorandum | Per ann | Yearly (Latin per annum) |
| Mfg. | Manufacturing | Per ct | By the Hundred (Latin per centum) |
| Min. | Minute | per pro. | Per procuration |
| m/m. | Millimetres | Pk | Pack |
| M O. | Money Order | Pkg | Package |
| Mo | Month | P. & L | Profit and Loss |
| M R. | Mate's receipt | P/m | Per mensem |
| M/S | Months after sight | Pm. | Premium |
| Mss. | Manuscripts | P M. | Post Master |
| Mt | Mortgage | p m. | post meridiem—afternoon |
| | N | P/N | Promissory Note |
| N. | North | P O | Postal Order, Post Office |
| N.A. | New Account | P. O B. | Post Office Box |
| N/A. | No Advice, No Account | P O D. | Pay on delivery |
| N/A. | Non-acceptance | P O O | Post Office Order |
| N B. | Take Notice (Latin nota bene) | P P. | Per procuration, Pages, Parcel Post |
| N/E. | No Effects | Pref | Preferred |
| N/F. | No Funds | | |
| N/N. | Not to be noted | | |
| N/O. | No Order | | |

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a solution of common salt or a natural salt is then rubbed in on the surface, the skins being afterwards allowed to dry. The process of salting and drying is often repeated as many as six times

DURBHANGAHS.—A class of goatskins comprising the large group "Tera" skins. They are generally large, with a somewhat coarse grain, and fawn, brown or white hair.

FISHSKINS.—Of these, skins of shark are growing in commercial importance. After the horny crust (shagreen) of these skins is removed they are tanned into beautiful leather, which is valued for its suitability for making fancy leather goods

FLANKY SKINS.—Skins running thin along the belly and producing a flat open grain in the leather.

FLAYING.—The process of separating the skin from the carcass. The head of the animal is ordinarily first removed, and the carcass is hung up by the hind legs. The hind legs are then slit to the root of the tail, and the skin is drawn off whole without the use of a knife

FLESHERS.—Flesh splits. Hides and skins are sometimes split in two or more layers. The layer containing the grain is called "Skiver" and the other is called "Flesher." The grain splits or skivers are more valuable for leather-making than the flesh splits or flesheis

FOXSKINS.—Skins of foxes. These skins are valued for their fur. There are several species, but those coming from cold countries bear long silky fur

FUR SKINS.—Skins valued for their fur. There are several varieties available in India, e.g., foxskins, leopard skins, tiger skins, deer-skins, otter skins, etc

GOATSKINS.—Skins of goats (mature animals) and kids (young animals). These are the raw materials for the manufacture of glaced kid. "Moroccos" are also made from goatskins

HAIR SLIP.—Hides and skins, if not properly treated for preservation immediately after flaying, decompose. The first obvious sign of decay is ordinarily loosening of the hair which is called in the trade "hair-slipping."

HARD-STOCK (GOATSKINS).—Another name for dry-salted goatskins in the American market

HEATING.—Decomposition of skins due to heat.

HEAVIES.—Skins exceeding 26" in length

HYDERABADS.—A class of goatskins obtainable from the Madras Presidency. They are a large sized, spready variety, formerly entirely consumed by Madras tanners.

IGUANAS.—Water lizards or ramgodies are also called iguanas

KALAGODDI.—See "Lizard-skins"

KIDSKINS.—Skins of size smaller than 25"

KOSHERS.—Cut-throats. Hides or skins of animals killed according to the Jewish method

KUSTHIAS.—A very well known variety of Bengal goatskins. They are of the best quality, yield from 40-45 sq ft per dozen, and weigh from 100 to 115 lb per 100 skins. Kusthias are cured both by wet-salting and dry-salting.

LIZARD-SKINS.—Skins of a class of reptiles (vern-goshap). There are three different commercial varieties—

(1) Water lizards of Ramgodi (Varanus Salvator). The skins of these have beautiful natural markings, for which they are valued. Skins of the mature animals measure 10" to 20" in width across the middle, while those of width from 7" to 10" are regarded as under-

GLOSSARY OF SKIN TRADE TERMS.

AMRITSARS.—A variety of goat skins, formerly entirely coming from the Punjab districts, but now gathered from Sind and Rajputana also. They are inferior to both Bengal skins and Delhi-Agra skins, but are heavy and strong. On account of their large spread, they are sought after for upholstery and carriage work. Mostly exported from Karachi.

BENGAL BLACKS.—See "Black Lizard."

BLACK LIZARD 'VARANUS NEBULOSUS.'—A variety of lizard with small round grain of black or greyish colour. The Bengal blacks (Varanus Nebulosus) are usually from 7" to 14" and the United Provinces blacks from 6" to 11" in width. The grains of the former are larger and of a deeper black than those of the United Provinces Variety.

BLISTERS.—Damages on skins caused by putrefaction, usually as a result of bad or insufficient curing or preservation.

CALCUTTA KILLS.—Skins from the Calcutta Slaughter-houses.

CAWNPORES.—These goatskins are obtainable from the United Provinces and the best of them are exported wet-salted to the United States of America. They are spready, with a regular grain is not so fine as in Bengal skins, the hair is coarse and long, and the skins themselves are often badly stabbed with thorns. The skins are in demand for "Moroccos" in upholstery work, and a dozen skins produce from about 80 sq ft to 120 sq ft.

CHAURI CHAURAS.—The lowest grade of "Bengal" skins.

COCANADAS.—Medium grained goatskins obtainable from the North Eastern Coast of the Madras Presidency. They average from 190 to 200 lb per hundred skins and yield about 60 sq ft. of leather per dozen skins.

GOIMBATORES.—A variety of goatskins obtainable from the south of the Madras Presidency.

CURING.—The preliminary treatment by which a skin is temporarily preserved from putrefaction until it reaches the tanner.

DACCAS.—A class of goat skins from Eastern Bengal and Assam. The skins are fine, of uniform size, and of good shape and substance, and are well nourished and cleanly flayed with medium hair mostly black.

DACIES.—A class of goatskins from middle Bengal. They are a good second class type but are very mixed in kind. Good Dacies are close in quality to "Dinajpores" (q.v.).

DEAGONS.—Skins of new-born calves weighing 4 lb and under green and 2 lb and under dry.

DECCANIS.—Same as "Hyderabad" (q.v.).

DEERSKIN.—Skin of a deer. There are several varieties but the spotted species and the sambars are more common.

DELHI-AGRAS.—Also called "Northwesterns". The skins are medium grained and are cured by wet-salt. These are more spready than the "Cawnpores" or the "Lucknows". Yield about 58 sq ft per dozen skins, and weight averages 200 lb per 100 skins.

DINAJPORES.—A class of goatskins coming from the area between Dacca and Durbhangah. The skins are heavy and of good size with close grain, fine hair, and very few knife cuts, but have not quite the substance of the "Daccas". Suitable for glove and manufacture.

DRY-SALTED SKINS.—Skins cured by the dry-salting process which is carried out in the following manner. Immediately after flaying and fleshing, the skins are nailed out tightly on a board and

FOR NEAT PRINTING WRITE TO
INDUSTRY PRESS, SHAMBAZAR, CALCUTTA.

glove leather, and formerly football coverings were also made from these skins

PIN-HOLES.—The wool follicles of heavy woolled sheep go deep into the substance and not infrequently the pulling of the fibres leaves minute punctures which are known as pin-holes

PRIMES.—The best selections are known as "Primes" in the trade.

PYTHON SKINS.—Skins of big non-venomous snakes with beautiful natural markings. They are much prized as fancy shoe upper leather, etc. The Bengal Pythons have markings of intense black colour and are therefore greatly appreciated.

RANGODIES.—See "Lizards"

SCORES.—Cuts or scratches due to bad flaying

SHARKINS.—See under "Fishskins"

SHEARLINGS.—Woolled skins of shorter staple are called "Shearl-ings"

SHEEPMITE.—See "Sheep scab"

SKINS.—The term in general parlance means raw, dressed or tanned skins of calves, sheep, goats, deer and other wild animals, but statistically and commercially, calfskins are excluded from the general heading of skins and are treated as hides. Sheepskins are mainly obtainable in Durbhangah (Bihar) and Rajputana, though large quantities are produced in Madras, Punjab and the United Provinces. The principal goat provinces in order are the United Provinces, Madras, Bihar, Orissa and the Punjab

The quality of skins varies according to the season of the year in which they are obtained. Skins are in the best condition from January to May, but deteriorate during the rainy and the cold seasons. Goat-skins are nearly always sold with the hair on, and by sizes, measurements being made (a) from throat to the root of the tail and (b) around the belly

SKIVER.—The grain split, see "Fleshers."

SLATS.—Sheepskins are sometimes dried up for export after de-wooling and liming. These are known in the trade as slats.

SLUNKS.—Skins of still-born calves weighing 4 lb. and under green and 2 lb and under dry.

SOFT STOCK (GOAT SKINS).—Another name for wet-salted skins in the American market

SONAGODDI.—See "Lizard-skins"

SPLIT SKINS.—Skins which have been split into two parallel with the grain or flesh surface

STRAIN-MARKS.—See "Marks, strain"

THIN STOCK.—A thin skin of papery fine grain

THORNS.—The soft substance of sheepskins is particularly liable to tearing or puncturing by thorns and other natural sharp points, edges, and sharp seeds of grass and weeds. Such scratches in the skin are known as "Thorns"

TRICHINOPOLYS.—A variety of goatskins obtainable from the south of the Madras Presidency.

VEALS.—Heavy calfskins

WATER LIZARD.—See "Lizard-skins"

WET-SALTED SKINS.—Skins treated immediately after flaying with a solution of brine or wet salt ground fine in a hand-mill. The excess of brine is drained off and the skins are folded or rolled up or sometimes packed in gunnies.

YELLOW LIZARD.—See "Lizard-skins."

—Compiled from Indian Trade Journal

Better & Bigger Business through "MERCANTILE & MAIL ORDER LETTERS & METHODS from Industry Book Dept., Shambazar, Calcutta."

sized skins in the trade, and fetch much lower prices than the mature skins. Ramgodies are available principally in Bengal, and skins from different districts of the province differ considerably in their average size, thickness, markings and flawlessness of the grain. Skins from Dacca and Barisal (Bengal) are regarded as the best, while those from the Sunderbans are smaller in size and thinner in substance and consequently regarded as inferior to the Daccas and the Barisals. The markings of the Sunderban skins are often very pretty.

(2) Land lizards are of three varieties —

(i) The oval grained yellows (*V. Flavascens*) are the best as on tanning they yield a stainless leather which is greatly prized in the ladies' footwear industry, as it possesses pretty oval shaped protuberances on the grain which can be dyed into delicate shades of colour. These mostly come from Bengal.

(ii) The second variety consists of the Bengal Blacks (*Varanus Nabulesus*, Vern. Kalagoddī) which are larger (7" to 14" in width) and stouter. The grains are rounder and smaller than those of the yellows and are black pigmented, the pigment persisting even after tanning. These cannot be coloured into delicate shade and are hence rated lower in value than the yellows.

(iii) The third variety comprises the greyish as well as the yellowish small grained U P's and Punjabs (*Varanus flavascens*, Vern. Sonagoddī). In size, they are like the oval grained yellows, but are thinner, and their grains are small and round. The yellow ones produce a stainless leather, but the blacks remain pigmented with greyish spots even after tanning. They are usually valued even lower than the Bengal blacks.

LUCKNOWS.—Goatskins coming from Lucknow (United Provinces) and neighbourhood. Like "Cawnpores" they are coarse and yield about 52 sq ft leather per dozen skins. The skins are cured partly by wet-salting and partly by dry-salting.

MADRAS.—Goatskins coming from the south-east coast and the country behind it are known in the trade as Madras.

MARKS, STRAIN.—The loose substance of most sheepskins is liable to damage as a result of undue straining in the processes of take off or curing. The effect is that the grain is damaged and the tensile strength reduced.

MUSSKY.—A local term in Karachi used to denote the "Amritsars" variety of goatskins.

MUZAFFERPORES.—A variety of goatskins obtainable from western Bihar. They have very fine grain, silky hair and close texture and are good skins for glaze kid. The hair of these skins is generally white or patchy white. They rank with "Durbhanghas".

NORTHWESTERNS.—Same as "Cawnpores" (qv).

OTTER SKINS.—Skins of otter bearing short but soft and silky fur for which they are valued. These skins are all exported.

OVAL GRAINED YELLOWS.—See "Lizard-skins".

PATNAS.—A class of goatskins obtainable from Bihar. They are the smallest in size, yield about 40-46 sq ft per dozen skins and the lightest about 100 lb per 100 skins. The skins are cured by dry-salting.

PICKLED SKINS.—Skins for export, usually unhaird, packed in barrels or casks with a saturated brine solution sometimes mixed with alum.

PIGSKINS.—The commercial utility of these skins is limited. They are generally used for the manufacture of saddle leather, fancy leather,

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rootlets, (b) Middle sized, (c) Thick roots. The thin, thread like rootlets yield the true dye. The thicker roots are very inferior, and often almost worthless.

NYCTANTHES ARBOR-TRISTS.—Harsinghar (Hind). A small shrub of Central India, extending to Bengal and Burma. The lower or tubular portion of the Corolla constitutes the dye material. It is orange-coloured and yields a beautiful but fleeting orange or golden dye, sometimes used for silk. This dye is sometimes used in combination with turmeric. One pound of the dye will suffice for more than 50 yards of silk cloth.

OCHRE.—The essential ingredient of this pigment is peroxide of iron, whether as an anhydrous red haematite or the hydrated brown and yellow limonites. There is, however, a wide range in the proportion of this colouring matter from the pure pigment prepared largely at Katni (C. P.) by crushing the rich haematite ore occurring there, down to the 'ochreous clay (layering) largely used as a black khaki dye in Manipur (Assam). The characteristically ochrey rock known as laterite occurs widely throughout India.

OGHROCARPUS LONGIFOLIUS.—Surugi (Mahi), Suraponna (Tel). A large deciduous tree of the Western Ghats. The dried flower-buds (known as Lambada Nagkesara) are used for dyeing silk; they are about the size of cloves and are of a red colour.

OLDENANDIA UMBELLATA.—Chay Root. Surbuh (Beng), Chervello (Tel). A small bush found on sandy soils. Abundant in certain tracts of the Madras Presidency from Orissa southward. It occurs also in Ceylon and North Burma. The bark of the root gives a beautiful red.

PEORI DYE.—This curious dyestuff is obtained from the urine of cattle fed entirely on mango leaves. It is usually met with in the bazaars of Northern India in roundish balls known as 'Hardwar peori'. A considerable trade is carried on in this dye at Monghyr in Bengal. A disagreeable odour, is said to persist in the cloth dyed with it, even after repeated washings. It, however, gives a bright yellow, and seems to be composed of magnesia and purreic acid. The latter substance may be separated by treating the dye solution with dilute hydrochloric acid. Peori is also the name applied to chrome yellow, which this substance very much resembles.

PERISTROPHE TINCTORIA.—Bet or Batharung (Ben.) Ghattipitta papada (Bomb). A common bushy plant in Bengal. It yields the red dye used to colour is largely grown. The twigs yield dye, being cut into small chips for this purpose.

PTEROCARPUS SANTALINUS.—The Sanders Red or Red Sanders Tree, sometimes called Red sandal wood. Lal Chandan, Rakta Chandan (Hind, Beng.) A small tree of South India, cultivated also in other parts of India. The wood is used as a dyestuff, and is sent largely from Madras to other parts of India. The colouring principle is called santalin. It finds chief employment in religious ceremonies though it is sometimes used to dye cloth, imparting a pale pink colour.

PUNICA GRANATUM.—The Pomegranate; Anar, Darim, (Hind). A large shrub wild in some parts of the North Western Himalaya, cultivated throughout India. The flowers are said to be used in Bellary to give a light red dye. It is often used as a dye-auxiliary, especially with turmeric or indigo. The bark yields a yellow, or with alum and Cassia Tistuta a red dye. It is also said to give a greenish decoction. A good yellow may be extracted from the rind.

RUBIA CORDIFOLIA.—The Indian Madder; Manjit (Hind). A small climber of which there are two varieties. (1) Cordifolia proper.

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Burma, in tidal forests. Frequent from Chittagong to Tenasserim, also in the Andaman Islands. Chips of the wood soaked in water, yield a purple dye.

DATISCA CANNABINA.—Akalbei (H), Bhang-jola (Ph), Bayer-bunja (Si). A tall, erect herb, resembling hemp. Met with in the North-West Himalayas. Said to give a red and yellow dye.

DELPHINIUM SANICULAEFOLIUM.—Asbarg (Ph.), Zarir (Ar), Asfrac (Pers). A small, herbaceous plant, met with in the Himalaya on dry hills from the Jhelum to the Indus, and distributed to Afghanistan. The dried flowers are brought from the last place to Multan, where they are used along with the preceding dye and alum, to impart a sulphur yellow colour to silk.

ERIOBOTRYA BENGALENSIS.—Berkung (Lepcha). A small tree of the Eastern Himalaya, also in Khasia Hills, Chittagong, and Ava. The bark is said to be used in Nepal for dyeing scarlet.

FLOMINGA CONGESTA.—The Waras of Africa. Barasalpan Chaha (B). An erect, woody shrub, common in the thickets and forests of the warmer parts of India. The glandular hairs from the pods yield with alcohol a red colour. The Kamela of India was for some time confused with the Waras of Africa as both plants are equally common in this country. The former, is however, a better dyestuff.

LAWSONIA ALBA.—Henna (H). Metui (B). Wild in Baluchistan and on the Coromandel Coast. Common in Central India and Bengal. Cultivated throughout India. The henna dye is used to give the nails, hair, etc., etc. an orange colour. As a dye for fabrics it is very fleeting.

MALLOTUS PHILLIPPINENSIS.—Punag (Beng), Kamela (Ph), Kapila (Bomb). A small tree of the sub-Himalayan tract from the Indus eastward to Bengal, Central and South India, Burma and the Andaman Islands. The dye is obtained from epidermal glands of the fruit. It gives a rich red colour used in dyeing silk and wool, and does not require a mordant. The root also yields a red dye.

MAGNIFERA INDICA.—The Mango Tree. Am (Hind and Beng), Amra (Sans). A densely-branched tree, wild on the Western Ghats, the Chota Nagpur Hills, and the Naga Hills, cultivated all over India for its fruit. The bark and the leaves yield a yellow dye not much used, but the dry unripe fruit is largely used as a mordant, especially in dyeing with safflower.

MARSDENIA TINGTORIA.—Kah lara (Nepal). A climbing shrub of the North-East Himalaya and Burma. The leaves of this plant yield an indigo blue dye which, by combinations, may be deepened into black. This is the indigo plant of Sikkim.

MORINDA ANGUSTIFOLIA.—Asugach (Ass), Yigo (Burma). An erect bush, or small tree, of the tropical Himalaya, wild and cultivated from Nepal eastward, also met with in Assam, the Khasia and Naga Hills, Chittagong and Tenasserim. Bark and wood yield a good yellow dye. Cultivated in Burma as a dye.

M CITRIFOLIA.—A small tree cultivated throughout the hotter parts of India, Burma and Ceylon. Three varieties of this plant are generally recognised: (1) *Citrofolia* proper. The Al (Hind), Ach (Ben), Barton (Bomb), Munja (Tam), Yigo (Burma). Suranji is a common trade name. Supposed to be truly wild in Malacca. Largely cultivated throughout India. This is the chief dye-yielding form. (2) The Hurdli, (Hind, Beng), Nagakunda (Bomb). A native of Orissa and wild in Ceylon. Found in the Andamans and the Teesta. (3) A form met with in the Concan, Malacca, etc. The young roots, root-bark, and even chips of wood of the above varieties yield a valuable red dye. The following classes of the dyestuff are recognised: (a) Thin

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REVIEW OF TRADE & INDUSTRIES DURING 1937-38.

THE year 1937-38 marks a steady improvement in the economic and industrial situation of India. The most characteristic feature of the year was that despite the developments in industrial production and increased demand for commodities, stability of conditions pervaded the entire money market with a distinct tendency to become easier.

The improvement in demand which was in evidence in the opening months of the year has not been followed by any significant rise of prices. There were considerable misgivings among the businessmen about the steadiness of the demand. Many anticipated that the demand was of transitory character. Genuine consumers reduced their purchases and it became more and more apparent that no shortage of supplies was to be expected. Consumers were found buying only hand-to-mouth and desisted from buying to cover forward requirements. At the same time, production of nearly all the commodities was expanding, and by August, all commodity markets, especially cotton and wheat, were on the way of being glutted with supplies. The setback in the U. S. commodities paved the way for a decline in world markets. In Calcutta wholesale price index gradually dropped from 105 points during July 1937 to 96 points in March, 1938.

The year under review is a most eventful year in Indian economic history. The provinces have passed for the first time under the control of popular ministers who have all introduced measures for the uplift of the provinces and relief of the unemployed. In the legislative sphere the year was notable for the passing of the Indian Insurance Bill, reference to which is made later on. Trade agreements were concluded with Japan, Ceylon and South-Africa during the year while negotiations were in progress for an Indo-British Trade Agreement. The Railway Enquiry Committee and the Income Tax Enquiry Committee submitted their reports during the year while an interim report was published by the Bombay Labour Enquiry Committee.

Foreign Trade:—Better trade conditions prevailed throughout the year. While the import trade of India in the year 1936-37 registered a decline of 6.8 per cent. as compared with 1935-36, there has been an expansion in this trade in 1937-38. During the ten months ended 31st

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Met with in the Himalaya, Burma, South India, Ceylon They are collected as a wild dyestuff The root and ground twigs are the dye-yielding portions (2) Khasia. Met with in Sikkim and in Khasia and Naga hills The dye twigs are rarely as thick as a pencil, the bark is smooth and thin, and the wood purple red This form appears to be richer in the dye principle than the preceding

RUBIA SIKKIMENSIS.—An extensive sub-woody climber Cultivated in Sikkim, Khasia and Naga Hills The thick coarse roots with soft corky bark are sold in the bazaars at Darjeeling and throughout India They are sometimes employed as adulterant to manjiti In the Naga Hills and in Manipur this species alone supplies the brilliant red dye used by the hill tribes to colour their cloths, hair decorations for spears, shields and earrings, etc as well as to stain their cane and bamboo plaited work.

RUBIA TINCTORIUM.—The Europe Madder Cultivated in Kashmir, Sind and Afghanistan The Indian-grown madder from this species may be recognised by the fact of its always occurring in short pieces

STROBILANTHES FLACCIDIFOLIUS.—Assam Indigo Rum (Assam), Khuma (Manipur) A shrub, wild and cultivated in Assam and Eastern Bengal The plant which grows freely on the plains of Manipur, yields indigo and is eminently suited for a profitable indigo crop In China the dye is produced on a large scale and of a quality pronounced finer than the dye obtained from any other plant The dye, in combination with turmeric, is employed to produce shades of green, with lime alone, deep blue black with safflower purple, and so on as in the ordinary combinations with indigo

SYMPLOCOS RACEMOSA.—Lodhi (Hind and Beng) A common, small tree found in the low hills of Bengal, Orissa and Chota Nagpur and distributed to Assam, Burma and China. The dye property is said to reside in the thick, corky, grey bark, it yields a good yellow It is chiefly used as an auxiliary with other dye-stuffs, and in addition to imparting its own colour and thus modifying the shade, it is supposed to produce other effects in sharpening and fixing the colours

TAMARISK.—There are six species of Tamarisk met with in India which all bear the generic vernacular name of Jhau They afford galls which are highly prized on account of the very great amount of tannin they contain They are regarded as one of the most valuable of Indian tans

T. CHEBULA THE CHEBULIC or BLACK MYROBALAN.—Harra (Hind), Haritaki (Beng) The bark is used for dyeing and tanning, while the fruits are exceedingly valuable With iron salts they give a black dye, they are used along with turmeric and indigo in the production of a green, and with catechu, they give a brown With alum, the fruits are said to afford a yellow dye In all these instances, however, the harra is a concentrator or vegetable mordant to the actual colours

WOODFORDIA FIRIBUNDA.—Dhanla (Hind) The flowers give a red colour used sometimes in silk dyeing Alum or lime is employed as a mordant with it. The flowers are, however, more often used in combination with other dye-stuffs, particularly with Al (Morinda)

WRIGHTIA TINCTORIA.—Bhur-kurri (Bom) The seeds are said to be used as an adjunct in dyeing, and leaves yield an indigo

| | Unit | 1934-35 | 1935-36 | 1936-37 |
|----------|----------|-------------|-------------|-------------|
| Paper | Cwts. | 13,716,344 | 17,633,568 | 20,886,932 |
| Sugar | Cwts. | 892,013 | 961,985 | 970,625 |
| Matches | Gross | 16,450,336 | 24,239,445 | 24,021,410 |
| Petrol | Gallons | 81,058,551 | 91,699,220 | 91,088,830 |
| Kerosene | Gallons | 169,267,410 | 162,420,243 | 173,865,966 |
| Cement | Tons | 780,794 | 890,683 | 997,414 |
| Coal | 000 Tons | 20,846 | 20,875 | 20,058 |

Jute manufactures show a very marked increase from 949,820 tons in 1934-35 to 1,253,113 tons in 1936-37. Due to the satisfactory industrial and trade recovery all over the world, there has been a rapidly increasing demand for jute goods as packing material. In consequence, exports of jute manufactures (including twist and yarn) increased from 684,718 tons in 1934-35 to 971,635 tons in 1936-37. Unfortunately, prices have not appreciated as much as is warranted by this increased demand, due, primarily, to uncontrolled local competition among manufacturers.

Among the other industries, paper shows an increase, as also cement. While petrol shows a decrease, kerosene shows an increase. From the current year onwards, the latter positions need not necessarily be regarded as of particular significance from the point of view of India's industrial production, Burma has now been separated from India, and these products are predominantly the outputs of Burma. Matches, also, showed a slight decline in 1936-37, as compared with the previous year, though production was greater than in the year 1934-35. The output of coal showed a marked decline in 1936-37, as compared with the previous two years.

There was evidence of over-production in the case of sugar and of a considerable decline in prices, while there has been a considerable expansion in demand in iron and steel during the year and a contraction of imports, in consequence of which local production increased, and prices rose, especially in the last four months of the year.

The total production of cotton piecegoods during the first nine months of the 1937-38 amounted to the very large figure of 3,016 million yards, showing an increase of 364 million yards as compared with the same months in the preceding year, or an advance of 14 per cent.

Money Market.—The Reserve Bank of India rate continued unchanged throughout the year at 3 per cent., at which it was fixed on the 28th November, 1935. The trends of the money market during the year have been outlined in the report of the Reserve Bank of India for the year 1937, according to which the money market was firmer in the beginning of 1937 than at the corresponding period of the previous year owing to increased industrial activity, the rise in commodity prices, and the accelerated demand for financing crop movements on account of the high level of exports. The inter-bank call rate in Bombay rose to about 1½ per cent though it remained at a lower level at Calcutta. The Reserve Bank helped to ease the situation by increasing its weekly purchases of sterling to £2 million besides effecting considerable intermediate purchases. The busy season of 1937 was particularly active and the usual seasonal trade activity was reinforced by a wave of speculative buying of shares, particularly in the metal and textile sections. The average note circulation in February was Rs. 196 14 crores in comparison with Rs. 168 78 crores in February, 1936. The advances of the scheduled banks in April, 1937, amounted to Rs. 122 56 crores as compared with Rs. 95 05 crores in the corresponding month in 1936.

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January, 1938, imports have amounted to Rs 145 crores as compared with Rs 102 crores in the corresponding period of 1936-37.

Increases in imports have taken place under raw cotton, woollen manufactures, art silk manufactures, iron and steel manufactures, dye-stuffs, textile machinery, electrical instruments, chemicals, hard ware, paper and motor cars. The only major item under which a decline has taken place is cotton piecegoods.

In regard to exports, a decline of about a crore of rupees is seen under raw cotton. Under almost all other major heads increases are seen, the chief of them being raw jute, jute manufactures, raw wool, tea, groundnuts, wheat, hides and skins, oilcakes, and lac. There has been a decline under linseed.

Share of foreign trade with India by the principal countries during 1936-37 follows:—

| | Exports. 1936-37 | Imports 1936-37 (figures in Rs 100). | Balance of Merchan- dise Trade in favour (+) Against (-) 1936-37 |
|--|---------------------|--|---|
| United Kingdom | 61,06,00 | 48,08,87 | +12,97,13 |
| Hongkong | 56,79 | 53,02 | +3,77 |
| Canada | 2,17,92 | 71,94 | +1,45,98 |
| Australia | 3,22,34 | 1,12,56 | +2,09,78 |
| Union of S. Africa | 1,71,05 | 34,16 | +1,36,89 |
| Other British Countries | 18,22,27 | 10,84,58 | +7,37,69 |
| Total of British Empire Countries | 86,97,37 | 61,65,13 | +25,32,24 |
| Germany | 8,44,46 | 12,14,88 | -3,70,42 |
| Belgium | 6,93,96 | 2,80,80 | +4,03,16 |
| Switzerland | 1,35 | 1,42,12 | -1,40,77 |
| France | 7,87,79 | 1,14,34 | +6,73,45 |
| Italy | 4,67,86 | 1,21,34 | +3,46,51 |
| Netherlands | 3,86,09 | 1,32,69 | +2,53,40 |
| Iran | 1,29,46 | 2,11,66 | -82,20 |
| Java and Borneo | 84,60 | 66,96 | +17,64 |
| China | 1,25,10 | 1,39,93 | -14,83 |
| Japan | 29,99,08 | 21,25,57 | +8,73,51 |
| U S. A | 18,41,73 | 8,16,00 | +10,25,73 |
| Other Foreign Countries | 25,65,15 | 9,91,26 | +15,73,89 |
| Total of Foreign Countries | 109,16,63 | 63,57,36 | +45,59,27 |
| GRAND TOTAL | 196,18,00 | 125,22,40 | +70,95,51 |

Industrial Production.—This shows remarkable all-round improvement as the following statistics of production of certain selected industries published by the Department of Commercial Intelligence indicate:—

| Description | Unit | 1934-35 | 1935-36 | 1936-37 |
|--------------------|-----------------|---------|-----------|-----------|
| *Cotton piecegoods | — Million yards | 3,120 | 3,276 | 3,367 |
| Jute manufactures | — Tons | 949,820 | 1,011,161 | 1,253,112 |
| Finished steel | — Tons | 627,358 | 676,691 | 691,668 |

* Figures for 11 months ending February, 1937.

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the end of the year the prices exhibited a sudden rise to 131. Tea rose from 146 in April to 151 in August but declined to 137 in March. In the textile group, raw cotton is conspicuous by its fall, having declined from 107 in April 1937 to 71 in March 1938, the decline being attributable to the record crop of 19 million bales in the United States of America and absence of demand from Japan. Cotton manufactures also declined from 122 to 112 during the period while raw jute appreciated from 62 in April to 63 in May, the index number standing at 47 in March 1938.

Exchange and Balance of Trade.—The balance of trade in merchandise in favour of India and Burma in 1937 amounted to Rs. 65.94 crores as compared with Rs. 60.63 crores in 1936. Though Burma has been separated from India the Reserve Bank of India is the central bank for both countries and the currencies of India and Burma are joint for external purposes. Gold exports declined from Rs. 33.16 crores in 1936 to Rs. 21.85 crores in 1937. Sterling exchange was steady throughout the year at 1s. 6-3/32d. but the surplus sterling available for sale to the Reserve Bank was considerably curtailed not only by the increase in imports and the dwindling in the export of gold, but also by remittance for the purchase of shares in the speculative movement at the beginning of the year and also for investment abroad, in view of the comparatively high prices prevailing for India Gilt-edged securities throughout the latter part of the year. The Reserve Bank was able to purchase its requirements at 1s. 6½d by tender besides being able to purchase £2,762,000 by intermediaries at 1s. 6-5/32d. The total amount of sterling purchased during the year was £33,916,000 as compared with £42,693,000 in 1936. This enabled the Bank to meet Government's sterling requirements amounting to £31,013,000 and to increase the external reserves of the Issue Department by £6,747,400.

CENTRAL BUDGET.

The proposals outlined in the Finance Member's speech introducing the Budget proposals for 1938-39 show that it has been possible to provide the cost of the introduction of Provincial Autonomy and the separation of Burma and the expenditure on the Waziristan operations, to make a start on the distribution of Income-tax to the Provinces to the amount of Rs. 1.38 lakhs in 1937-38 and 1.28 lakhs in 1938-39 and at the same time to show balanced budgets both in 1937-38 and in 1938-39 without the imposition of any new taxation.

The financial year 1936-37 closed with a deficit of Rs. 1.79 lakhs, an improvement of Rs. 13 lakhs on the revised estimates, due to the trade revival that showed itself especially in increased Customs receipts and Railway earnings, though the latter did not affect general revenues in that year.

The continuation of these conditions into 1937-38 has raised the revised estimates of revenues for 1937-38 by Rs. 3.90 lakhs. Against this, there has been an increase of Rs. 3.22 lakhs in expenditure, leaving a net improvement of Rs. 68 lakhs. By this the requirements from the Revenue Reserve Fund for the current year have been reduced to Rs. 1.09 lakhs, leaving the remaining Rs. 75 lakhs for the year 1938-39.

The extra liability incurred on the inauguration of Provincial Autonomy turned out to be Rs. 1.98 lakhs, made up of additional payments of Rs. 54 lakhs on account of the Provinces' share of the Jute duty, additional grants-in-aid to deficit Provinces amounting to Rs. 56 lakhs and reduction in interest receipts of about a crore, as compared with the estimate of Rs. 1.85 lakhs. At the same time the separation of

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Clearing house returns in April, 1937, were 85 per cent. larger than those in the corresponding month of the preceding year.

Thereafter a decline set in. Uneasiness as to the future price of gold and money rates led to a regression in the price of gilt-edged securities in the most important world markets which soon communicated itself to all sections of the share market and began to react on commodity prices. In India in the more speculative sections of the share market the fall amounted almost to a collapse, and though there were no spectacular failures, it was obvious that owing to the widespread character of the speculative movement losses to the smaller operators must have amounted to a considerable total. The result was an underlying feeling of nervousness which continued until the close of the year. Trade continued reasonably active throughout, and imports in particular as a result of the large export surpluses of the previous two years continued to increase, but these factors were not sufficient to offset the others, and short-term money began to ease rapidly and was practically unobtainable even at $\frac{1}{2}$ per cent. over the major portion of the remainder of the year. At the beginning of the cold weather there was a further heavy slump in commodity prices, particularly cotton, as a result of the publication of the crop forecast of the United States and the outbreak of Sino-Japanese hostilities. In consequence, the firmness in money rates which usually begins towards the end of the year did not materialise and the position at the end of the year was exceptionally easy with call money available over the end of the year at $\frac{1}{2}$ to 1 per cent. The average rate for Indian treasury bills was slightly higher for the year at Rs. 0-14-4 as compared with Rs. 0-11-4 for 1936. The low rates prevailed both in India and London with the result that the Governments in India, both Central and Provincial, continued to reap advantage of low rates for their borrowing operations.

Indian Securities Market.—Gilt-edged prices fell considerably in the early months of 1937 for the reasons already described, $\frac{3}{4}$ per cent. Paper which was quoted about par at the beginning of the year fell to about Rs 91 in March, 1937. Other securities fell in sympathy. With the commencement of the slack season, however, investment pressure began to make itself felt and there was a steady rise, the average price of $\frac{3}{4}$ per cent. Paper rising to Rs. 98-6 in December. The amendments to the Indian Insurance Act with their statutory provisions for increased investment in Government securities also provided a stimulating influence in the last quarter of the year. Though the international political situation was clouded by the Spanish and the Sino-Japanese Wars it had hardly any influence on the Gilt-edged market. The recent Provincial Loans also remained steady, the Madras and U. P. loans being quoted at a slight premium and the others around the issue price.

Commodity Prices.—The rise in commodity prices which had begun in the latter part of 1936 gathered further momentum during the period under report though there was a recession during the later part of the year. The Calcutta index number of wholesale prices (July 1914=100) for all commodities showed a steady tendency during the beginning of 1937-38 and in fact improved from 103 in April to 105 in July but subsequently showed a marked decline to 96 in March, 1938. Among food articles, the price of cereals showed a continuous fall from 79 in April 1937 to 65 in March 1938. Pulses however showed a slight improvement in prices after opening at 84 and reached a level of 92 in December but in the course of the following three months there was a heavy setback in prices to 82 in March, 1938. Sugar had a different tale to tell. The prices exhibited a steady undertone in the beginning of the fiscal year in the neighbourhood of 113 but towards

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A net repayment of Rs. 4 crores in respect of Post Office Cash Certificates is expected this year and Rs. 3½ crores next year. Savings Bank deposits are expected to increase by Rs. 4½ crores in the current year and the forecast for next year has been put at 5 crores.

Regarding Customs the Finance Member states, that the favourable balance during the first nine months of 1936-37 was 44.20 lakhs, while during the first nine months of the current year it is Rs. 27.56 lakhs. The difference is therefore over Rs. 16½ crores. The large increase in imports and consequently in customs revenue during the first nine months of the current year must be attributed to a considerable extent to the favourable balance of last year, and the decline in the balance is bound to have some effect on our imports next year—indeed it is already having its effect. Since most of the customs duties are on an 'ad valorem' basis an increase in prices automatically involves an increase in customs revenue. There was a marked increase in the general level of prices in the later months of 1936-37 and the early months of the current year, but recently the tendency has been in the opposite direction. There are of course certain items in our customs schedule which are likely to increase irrespective of general trade conditions. Motor spirit, for example, is almost certain to be an increasing source of revenue in view of the steady growth in the number of motor vehicles in use in India. But it seems probable that such items will be more than balanced by decreases in other imports. Taking all these factors into consideration a net reduction of Rs. 60 lakhs is estimated as compared with the revised estimates for the current year.

The real reduction under Customs and Central Excise Duties is Rs. 60 lakhs, but the budget statements show a reduction of only Rs. 10 lakhs. This apparent discrepancy is explained by two changes in accounting procedure:—

(1) The first change relates to our revenue from the excise duty on matches. We have hitherto treated the share which is payable to the Indian States as a deduction from revenue, but it has now been decided that such disbursements would be more correctly classified as expenditure. This accounts for an increase of Rs. 32 lakhs, which will of course be balanced by a corresponding increase on the expenditure side.

(2) The other Rs. 18 lakhs represent the duty on petrol and kerosene supplied for the Defence Services. The duty on such supplies has previously been remitted, but we have now decided to bring the procedure into line with that which is adopted in connection with other goods imported for the use of Government Departments. In this case also there will be a corresponding increase in expenditure.

TAXES ON INCOME.

The Finance Member hopes shortly to be in a position to introduce an Income-tax Amendment Bill. The first effect of this Bill should be a considerable increase in revenue but none of this can accrue before 1939-40 and even so for that year and two years thereafter practically the whole benefit will go to the Provinces. After that one-half of the benefit will revert to the Centre. So far as the next year is concerned the Finance Member feels justified in budgeting for an improvement of Rs. 25 lakhs in view of trade activity during the major part of the current year and in view of the efforts which are being made to tighten up the administration. Unless railway revenues should fall far below the expectations the greater part of this increase also will of course benefit the Provinces and not the Central Government. If the Budget estimates for taxes on income are realised, it is calculated that on the basis of the railway estimates

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Burma resulted in a net loss of Rs. 2.51 lakhs as against the expected figure of Rs. 2.33 lakhs.

In course of the Budget Speech the Finance Member states —

The revised estimates for Customs and Central Excise duties show a total net improvement of Rs. 1.91 lakhs in spite of large decreases under imports of silver, 1.28 lakhs, cotton fabrics of British manufacture, 59 lakhs, and cotton fabrics not of British manufacture, 70 lakhs. The improvement is spread over a large number of articles included in the non-protective part of the tariff, but is mainly accounted for by increases in durable and semi-durable goods. Thus machinery is responsible for an additional 42 lakhs and motor vehicles for an additional 41 lakhs. There is also an increase of 45 lakhs under motor spirit.

The total revised estimate for Taxes on Income is Rs. 15 crores, an improvement of Rs. 70 lakhs. In order to arrive at the amount distributable to the Provinces it has been necessary to deduct from this total corporation tax, taxes on the emoluments of officers serving under the Central Government, taxes attributable to centrally administered areas and cost of collection. The balance after these deductions is expected to be Rs. 11.55 lakhs. To this figure is added the amount of the railway surplus which is estimated at Rs. 2.83 lakhs, and under the Niemeyer Award the Central Government retains Rs. 13 crores out of the combined total. Consequently the amount expected to be available for distribution to the Provinces is 11.55 plus 2.83 minus 13.00, i.e., Rs. 1.38 lakhs. A preliminary distribution will take place towards the end of March on the basis of the best forecast then possible, and adjustments will be made on the basis of audited accounts in the following year.

Simultaneously with this distribution to the Provinces those Indian States whose tribute amounts to more than 5 per cent. of their total revenue will have the excess over that percentage remitted. The Indian States Enquiry Committee of 1932 strongly recommended that such remissions should be granted as a first step towards redressing inequalities, irrespective of any arrangements which might be made in connection with the accession of the States to the Federation. The amount involved is about Rs. 9 lakhs.

Of the total increase of Rs. 3.22 lakhs in expenditure, Rs. 2.60 lakhs are on account of the Defence Services. This is made up of Rs. 1.76 lakhs for the military operations in Waziristan, Rs. 26 lakhs on account of the abandonment of the Lahore abattoir and cold storage scheme and the balance on a variety of smaller items.

The balance of Rs. 62 lakhs is accounted for by an increase under 'Interests', which is due to heavier encashments of Post Office Cash Certificates, and an increase under "Tribal Areas" which is due to the construction of roads in connection with the Waziristan operations.

BORROWING PROGRAMME.

No Government of India loans matured during 1937-38 and the field was left clear for the five Provincial Governments who raised loans in the open market. Next year the Government of India 5½ per cent loan 1938-40 to the amount of 19 crores odd will mature. Debt to the amount of about four crores was repatriated during the current year by purchase of sterling securities and their subsequent cancellation or replacement by similar rupee securities, and £1½ millions of sterling railway debentures have been redeemed on maturity. In addition, £4 millions are expected to be transferred to the Commissioners for Family Pension Funds before the close of 1937-38, leaving a balance of about £6 millions to be transferred next year.

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RAILWAY BUDGET.

The Railway Budget for 1938-39 reveals a bigger surplus than it was originally estimated.

The following figures will show the financial position of the Railways during the last three years.

| | | Receipts. | Expenditures. | Surplus |
|---------|-----------------|----------------------|---------------|---------|
| | | (in lakhs of rupees) | | |
| 1936-37 | Actuals | 91,79 | 90,34 | 1,45 |
| 1937-38 | Budget Estimate | 90,75 | 90,60 | 15 |
| 1937-38 | Revised | 94,25 | 91,42 | 2,83 |
| 1938-39 | Budget | 94,25 | 91,69 | 2,56 |

In course of the Budget speeches the Railway Member States "When my predecessor presented the current year's budget to the House, he expected that the surplus for the year 1936-37 would be of the order of 15 lakhs only. The result was a surplus of about 1½ crores. An unexpected, but none the less welcome improvement was experienced both on the receipts and on the expenditure side, the former going up by about ½ crores, and the latter going down by approximately the same amount. Goods earnings mainly accounted for the improvement, cotton, sugar, oil-seeds, gram, pulses and other grains, wheat, jute and rice being the principal commodities which showed increased earnings.

"Looking forward to 1938-39, we again hesitate to assume that the betterment enjoyed in the first half of this year will be maintained and the experience of the past two months gives up good reasons to pause. The realisations for December and January show a deterioration of 1½ crores in comparison with the corresponding period in the last financial year. We have endeavoured not to be too pessimistic, but our recent experiences illustrate how rapidly trading conditions may change and how difficult it is at the present time to estimate forward with any certainty. We expect that our passenger earnings will not fall below the level at which they now stand, and we also hope that a certain amount of traffic, in cotton for instance, held back this year in the absence of favourable prices, may be carried over to next year. We have therefore taken 94½ crores as our traffic receipts, the same as for the current year, and, since we expect an increase of ½ crore in miscellaneous receipts, the total will be ½ crore more than in the year now drawing to a close. An increase of about ½ crore in working expenses appears inevitable. There will be no variation in the amount under depreciation, but we shall require additional money for the rise which we anticipate in the price of coal and other materials. Taking therefore our interest charges at 29½ crores, we look for a surplus of 2½ crores.

CAPITAL EXPENDITURE.

"So far as our capital programme is concerned, we propose to be as modest this year as we were last. In these circumstances, a budget speech can hardly achieve the spectacular, but I would refer to the recent completion of the King George the VI Bridge on the Assam Bengal Railway which spans the Meghna river between Bhairab Bazar and Ashuganj. This bridge provides a much improved means of communication between Dacca and Mymensingh on the west, and Chittagong and South Assam on the east, and as it replaces an expensive ferry and will thus make possible more economical use of engines and rolling stock, we hope that, apart from the increased convenience to the travelling public, the bridge will justify itself financially by yielding a return on our investment. The structure has been built

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presented by the Communications Member for next year the amount of income tax available for distribution to the Provinces should be Rs. 1,28 lakhs which is equivalent to our retaining about one-half of the estimated railway surplus.

POSTS AND TELEGRAPHS.

The speech refers to a small change of procedure in connection with the provision of capital for telephone projects. To enable such projects to be undertaken with the minimum of delay it is proposed to create a special Telephone Capital Fund, the balance of which will not lapse at the end of the year, and we are providing for a capital grant to the fund of 2½ crores to cover expenditure for the next 5 years and the Government expect to spend Rs 40 lakhs in 1938-39. Each project will continue to be scrutinised as carefully as in the past, but they hope to be able by means of the fund to dispense with some of the formalities which at present impede the department from going ahead as fast as they should with this remunerative branch of their activities.

As regards rural development the Finance Member now recognises that the main responsibility for this has been entrusted to the Provinces and central grants for the purpose must in large measure be postponed in favour of ensuring the due delegation of revenues. However much the Finance Member may regret this, he recognises the needs of the Provinces as a *prior* obligation.

INTEREST AND OTHER ITEMS.

As mentioned in connection with the revised estimates for 1937-38, there will be a reduction next year in the amount payable on account of Post Office Cash Certificates. In course of the speech the Finance Member remarks, "We are actually budgeting for a decrease of Rs 1.51 lakhs but as we are, during the current year, meeting Rs 1.15 lakhs of the disbursements from the balance remaining in the Cash Certificates Bonus Fund, the decrease in the amount to be provided from revenue is Rs 35 lakhs only. This saving, and the saving due to the transfer of the Family Pension Funds to Commissioners, are partially counterbalanced by increases under other heads, notably interest on Post Office Savings Bank Deposits and interest on the Railway Depreciation Fund. The result of all these variations is a net decrease of Rs 22 lakhs."

Apart from the provision made for the Defence Services and for Interest, our expenditure estimates show a net increase of Rs. 1.46 lakhs as compared with the current year's revised estimates Rs 32 lakhs of this increase is due to a change in the accounting arrangements in connection with the proceeds of the excise duty on matches, and there are three other items which are directly connected with specific increases in revenue—

(1) The first of these is an increase of Rs 16 lakhs in the provision for the payments made to the States of Cochin and Travancore under the Cochin Port Agreement. This is due to the increase in the customs revenue collected at the port during the current year.

(2) The second item is an increase of Rs 29 lakhs in the allocation to the Road Fund. This is of course based on the anticipated revenue from the customs and excise duties on motor spirit.

(3) The third item is an increase of Rs 10 lakhs in the provision for expenditure on sugar research partly due to the expectation that we shall have to pay out more in grants to the Provinces from that portion of the sugar excise revenue which has been set aside for this purpose since the imposition of the tax.

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tions of the Pope Committee and have added others which appear to offer fruitful avenues of investigation. On the commercial side, the first step had already been taken before the Wedgwood Report was received, and in July last a proposal to strengthen the commercial department of the Madras and Southern Mahratta Railway was approved in the Standing Finance Committee for Railways. The Assam Bengal Railway have now put forward a plan for the re-organisation of their commercial activities, and other railways are understood to have similar schemes under preparation. The Government have accepted the recommendations of the Wedgwood Committee in regard to publicity campaigns of the Railways and the Railway Member hopes that there is probably more to be achieved by concentrating on internal rather than on external advertising and by making a greater and more direct appeal to the third class passenger who after all is our best customer. In pursuance of this policy it has decided to close down the American Publicity Bureau at New York.

INCOME TAX ENQUIRY COMMITTEE REPORT.

The Income Tax Enquiry Committee which was appointed towards the end of 1935 to make an investigation of the income-tax system in all its aspects and to report upon the incidence of the tax and the efficiency of its administration concluded its labour in the course of the year under review.

The Committee in its report submitted in July 1937 propose to bring about certain drastic changes which have been strongly condemned by all shades of public opinion. Among the recommendations are, the introduction of a slab system, taxation of agricultural income, automatic submission of return with attendant penalty for default and extension of section 34 to six years, aggregating the income of the wife with that of the husband, the income of minor children with that of the father and the income of different members of a Hindu Undivided family with their respective wives and dependents with that of joint family income, etc. etc.

The provisions of the Indian Partnership Act as regards admission of minors into partnerships, the law relating to Trusts and Settlements, the provisions of Transfer of Property Act as regards bona fide gift and the law relating to Wakfs have received very scanty regard from the Enquiry Committee, which also turn down proposals for making allowances for children and dependent members and refuse to treat interest paid on loans and mortgages as legitimate items of deduction from the assessable income.

The Enquiry Committee thinks it fit that super tax should be imposed on a company regardless of its income and dividends. Unless distributed within 6 months subject to certain limitations by percentage these should be considered as dividends already distributed and shareholders should be made to bear the full burden of taxation. Again, partners are placed practically under a ban in the matter of lending money or services to a firm. Interest on loans incurred abroad is to be taxed at the highest rate without any corresponding provision for a refund, and the interest on loans incurred abroad is, under certain circumstances, to be disallowed altogether.

There are many other matters such as the assessment of association and trustees, computation of incomes, carry forward of business losses, etc., with regard to which the Committee's recommendations have also met with strong opposition.

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of Indian steel, fabricated in India to standards of accuracy comparable with those in any other part of the world. The project has been completed within the estimated cost of 65 lakhs, and we are now investigating the possibilities of a similar enterprise to cross the Brahmaputra from Pandu to Amingaon. But that is not for the immediate future. 'In the coming year we propose to take up the two Sind projects which it had been intended to commence in the present year. These are the Sind Right Bank Feeder lines and the Pithoro-Tando-Mithakhan railway alluded to last year by my predecessor. We are also making provision for an extension to link up Khadro on the Mithankhas-Khadro branch of the Jodhpur Railway with Nawabshah on the main line of the North Western Railway. These schemes are urgently required to serve the new and fertile areas which have recently been developed by the Lloyd Barrage and they will provide, we trust, a welcome addition to the communication system of the province of Sind. Provision has been made under these items for an expenditure of 55 lakhs,

"Of our proposed expenditure on open lines not chargeable to revenue, the largest item is 4½ crores for rolling stock. The rise in the price of iron and steel due largely to the demand for these materials in connection with rearmament programmes in other parts of the world has inevitably affected our outlay on this account. We have, however, kept down our proposals to the minimum consistent with the requirements of prospective traffic. It will be remembered that my predecessor mentioned last year the proposed purchase of 2,000 general service wagons in 1937-38. When the question of calling for tenders for these wagons came under consideration, market conditions were rapidly moving against us, the price of steel was rising and the prospects of early and certain delivery deteriorating. We therefore decided as a measure of prudence and of economy to enter into contracts with Indian wagon building firms for the supply of 6,085 broad gauge general service wagons, delivery to be spread over three years. Of this number, 2,095 are due to be delivered in 1938-39 and will account for a sum of 104 lakhs out of the 4½ crores to which I have just made reference. For expenditure on track renewals we have provided 4 crores and for bridges and other structural works 3½ crores. It will be seen, therefore, that our gross figure of expenditure under this head of account, after allowing for various credits, amounts to over 10½ crores."

RAILWAY ENQUIRY COMMITTEE REPORT.

In presenting the Railway Budget, the Railway Member also refers to the report of the Railway Enquiry Committee which under the Chairmanship of Sir Ralph Wedgwood carried out an examination of the Indian railways and their organisation during last cold weather. Besides action taken by railway administrations on their own initiative, the recommendations of the Pope Committee of 1933 have received the earnest consideration of the various Railway Administrations, and establishment of organisation branches on the Railways has been a good investment. Against an outlay of 11½ lakhs, the savings, as a result of their investigations has been certified as 1½ crores up to the end of the last financial year. Amongst the lines of investigation which have proved particularly valuable are the following: the improved utilisation of rolling stock, the reconditioning and extension of life of locomotives and wagons, reduction in the number of locomotives and carriages, concentration of repairs and closing of repair shops; job analysis, and speeding up of traffic in transit. The Wedgwood Committee have re-affirmed the majority of the recommenda-

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of 20,000,000 yards. Similarly, a transfer shall be permitted up to a maximum of 25,000,000 yards between the quota for any cotton piecegoods year and that for the first half of the immediately following cotton piecegoods year, and a quantity not exceeding 25,000,000 yards may be imported in the first half of any cotton piecegoods year in addition to the allotment for that period, but such excess shall be deducted from the allotment for the second half of the same cotton piecegoods year;

(f) in the new protocol the quota for piecegoods shall be classified and apportioned as follows plain greys 40 per cent, bordered greys 13 per cent, bleached (white) goods 10 per cent., printed goods 20 per cent and other coloured (dyed or woven) goods 17 per cent;

(g) cotton fents, that is bona fide remnants not exceeding four yards in length shall not be included in the cotton piecegoods quota, but the quantity of cotton fents which may be exported from Japan to India in any cotton piecegoods year shall not exceed 8,950,000 yards, provided that more than this quota of cotton fents may be imported into India in any one cotton piecegoods year, on condition the quantity in excess shall be deducted from the quota of the following cotton piecegoods year. If less than this quota of cotton fents is exported from Japan to India in any cotton piecegoods year the quantity of the deficit may be added to the quota for the following year.

(5) Finally, as there will be no hiatus between the last cotton and cotton piecegoods years of the former protocol and the first such years of the new protocol the excess of over 1,500,000 bales of raw cotton exported from India, including Burma, to Japan in the cotton year 1936 shall be carried forward to the cotton year 1937 for the purpose of determining the quota for cotton piecegoods that may be imported into India from Japan in the cotton piecegoods year 1937-38 and the excess, if any, of imports of cotton piecegoods into India, including Burma, in the cotton piecegoods year 1936-37, after full adjustment between the categories as provided for in Article 7 of the former protocol, shall be deducted from the piecegoods year 1937-38. Further, should the quantity of piecegoods imported into India and Burma in the cotton piecegoods year 1936-37, after such adjustment, be less than 400,000,000 yards, the quantity of deficit, up to a quantity not exceeding 25,000,000 yards, shall be added to the quota for the first half of the cotton piecegoods year 1937-38

INDO-SOUTH AFRICAN TRADE PACT.

A temporary bilateral trade agreement between India and South Africa has been concluded providing for mutual most-favoured-nation treatment in respect of commodities not eligible for preferential treatment in virtue of one or other of the Ottawa series of agreements.

The temporary agreement will come into force from April, 1938 and will remain in force until superseded by a more comprehensive commercial agreement or until the expiration of three calendar months from the date on which notice of termination shall have been given by either Government to the other.

TERMS OF THE AGREEMENT.

The main provisions of the Agreement are as follows:-

(1) Articles, the growth, produce or manufacture of the one country when imported therefrom into the territory of the other country, shall, in respect of customs duties and other taxes and charges levied

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TRADE AGREEMENTS.

INDO-JAPANESE COTTON AGREEMENT.

THE Indo-Japanese Trade Agreement was initialed in New Delhi on the 12th July, by the representatives of the Governments of India and Japan. The following are the terms of the agreement —

(1) The notice of denunciation given on 21st October, 1936 of the convention regarding commercial relations between India and Japan, signed in London on 12th July, 1934 shall, with the concurrence of the Government of Japan, be withdrawn and the said convention shall continue in force throughout the period of which the new protocol, shall remain in force.

(2) There shall be a new protocol regarding importation of Japanese cotton piecegoods into India to take the place of the protocol concluded at the time of signing the convention on 12th July, 1934 and which by terms of Article 9 of it expired on 31st March, 1937.

(3) This new protocol shall come into force immediately on signature and shall remain in force until 31st March, 1940. It shall provide for its purpose that the first cotton year shall commence on 1st January, 1937 and the first cotton piecegoods year on 1st April, 1937.

(4) Except for the following modifications, the substance of the new protocol will be exactly similar in substance to the former protocol, those modifications being

(a) the basic quota of Japanese cotton piecegoods to be exported to India in the piecegoods year shall be 283,000,000 yards and it shall be linked with 1,000,000 bales of Indian raw cotton exported to Japan in the corresponding cotton year.

(b) in case the export of Indian raw cotton to Japan in any cotton year should exceed 1,000,000 bales, the quota of Japanese cotton piecegoods for the corresponding piecegoods year shall be determined by increasing the above basic quota at the rate of 1,500,000 yards to every additional 10,000 bales, provided that quota should in no case exceed 358,000,000 yards.

(c) in case the export of Indian raw cotton to Japan in any cotton year should exceed 1,500,000 bales the quantity thus exported in excess of 1,500,000 bales shall for the purpose of determining the relevant quota of Japanese cotton piecegoods, be added to the quantity of raw cotton exported to Japan in the immediately following cotton year, it being understood that this carryover will not be cumulative.

(d) raw cotton imported into Japan and then re-exported to a country other than Burma and cotton piecegoods which have been imported into India and then re-exported to a country other than Burma shall not be regarded as exports to Japan and imports into India, respectively.

(e) the piecegoods year shall continue to be divided into the same yearly periods as in the former protocol, and the same conditions shall apply, except that the quota for the first half-yearly period shall be 179,000,000 instead of 200,000,000 yards and the transfer from the quota for the first half-yearly period to the quota for the second half-yearly period shall be permitted up to a maximum of 25,000,000 yards instead

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BOMBAY TEXTILE LABOUR ENQUIRY COMMITTEE REPORT.

THE Bombay Textile Labour Enquiry Committee has submitted an interim report to the Government of Bombay on the question of wage increase to textile labour in Bombay Presidency. After a close analysis the Committee come to the conclusion that the conditions of the industry has decidedly improved in the year 1937, that it has emerged out of the period of depression, and that the profit-making capacity of the industry as a whole has increased. The wages of the workers employed in the industry have been subjected to various cuts in recent years and the principal reason advanced for these cuts was the depression. This having been lifted, it is the opinion of the Committee that an increase in the present level of wages is justified.

COMMITTEE'S CONCLUSIONS.

A summary of the Committee's conclusions on which its recommendations are based follows:—

1 The Committee holds that the data before it were sufficient to enable it to submit an interim report.

2 Since the year 1936, the depression has definitely lifted, and all aspects of Indian economic activity show definite signs of recovery. In regard to the textile industry the factors which prominently mark its recent history are' (a) The decline in imports of piecegoods, (b) Recovery of the home market; (c) Expansion of exports, and (d) Increased efficiency of production. 'The statistics for the production of goods for the first eight months of 1937 show a monthly average which is in all centres higher than the monthly average for 1936 by more than 10 per cent. Consumption of Indian raw cotton in Bombay and despatches of goods from Ahmedabad and Sholapur reveal continual increased activity for the whole year. Increased nightshift working indicates an increased pressure of demand, and the figures of exports and imports show expanding markets for the Indian industry and a decline in the strength of competitors'

3. The Committee does not find it possible to accept the consolidated financial statements furnished by the Millowners' Association of Bombay and Ahmedabad as revealing completely the true position of the industry in these centres. It assesses, on the basis of the Bombay consolidated balance sheet for the first half of 1937, the improvement in the financial position in that centre as compared to the previous year, and finds betterment to the extent of nearly Rs. 56 lakhs. As the position during the second half of 1937 was, in its opinion, better than the first, it estimates the additional betterment, without allowing for the gain due to the fall in the price of cotton, at nearly Rs 20 lakhs. The estimate for Ahmedabad for this period is 2/5 of that secured in Bombay.

4. Assuming that the price of cotton accounts for about half the total cost of production, and calculating the widening of the margin on the basis of a 20 per cent. fall in the price of Indian cotton and 15

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on imports, and in all matters pertaining to the administration thereof, be treated not less favourably than like articles, the growth, produce or manufacture of any other country, provided that the one Government shall not be entitled to claim the privileges or favours following from preferential treatment accorded, or to be accorded by the other Government exclusively to any of the members of the British Commonwealth of Nations or to any possession or territory to any of them belonging or to any territory under the jurisdiction of any such member either as a Protectorate or as a Mandated territory.

(ii) In the event of either Government establishing or maintaining a system of licensing or quantitative regulation of imports, such system shall be so administered as not to discriminate against articles grown, produced or manufactured in the other country, and the conditions under which licences or permits may be issued or obtained for the importation of such articles, shall be not less favourable than those applied in the case of like articles grown, produced or manufactured in any other country.

(iii) In the event of either Government establishing or maintaining any form of foreign exchange control, such control shall be administered so as to ensure that the commerce of the other country will be granted a fair and equitable share in the allotment of foreign exchange.

(iv) The most-favoured-nation treatment provided for shall apply also to taxes or charges levied in connection with the internal distribution and sale of imported articles.

(v) Notwithstanding the provisions of this agreement, either of the two Governments may, wherefor any reason it is deemed necessary, prohibit or restrict the import of any article by the imposition of special duties or otherwise, provided that no such prohibition or restriction shall be imposed or maintained on articles grown, produced or manufactured in the other country, unless such prohibition or restriction is imposed or maintained on like articles imported from any other country in regard to which like grounds for the application of such measures exist.

The necessity for this agreement arises from certain peculiarities connected with the South African Tariff System as introduced in 1935. This new system provided for a three-decker tariff. The minimum tariff reproduced, in the main, the preferential rates of duty which had already been granted to members of the British Commonwealth. The intermediate tariff was to be applied to specified goods emanating from countries with which the Union had most-favoured-nation agreements, while the maximum tariff applied to goods of the specified categories originating from all countries, including Commonwealth countries, which had not concluded a most-favoured-nation agreement with the Union.

INDO-BRITISH TRADE AGREEMENT.

Talks on an Indo-British Trade Agreement between the Indian and British representatives in London have been fruitless. The talks will be renewed this year. In the meanwhile the provision of the Ottawa Pact, now defunct, are in operation in the absence of an agreement between the two countries in relation to foreign trade.

BANKING DEVELOPMENT IN INDIA.

GROWTH of banking institutions is a close barometer of the economic prosperity of a country. Industry, commerce as well as agriculture can only develop with banking progress and proper mobilisation of the monetary sources of the country. But unfortunately the financial sources and facilities in India are woefully deficient considering the enormous need of circulating capital in our midst at present. The recently constituted Reserve Bank of India supplies a new orientation to the banking policy of India. The natural lack of banking habit among the people combined with the absence of mutual confidence, is directly responsible for the undeveloped nature of banking business in India. Banking is founded chiefly on confidence and unless every form of distrust is spelt and conservative habits are destroyed no material development is possible.

The development of banking in India on European lines began only a century and a half ago. Though the progress is slow, it cannot be denied that India has made considerable stride in banking matters during the last 60 years, especially during the first quarter of the present century. So far as information is available the number of head offices and branches of banks including agencies working at the end of the year 1935 was as follows as compared with those in 1934 and 1933.

| | 1933 | 1934 | 1935 | 1933 | 1934 | 1935 |
|------------------|--------------|------|------|----------|------|------|
| | Head Offices | | | Branches | | |
| Reserve Bank | — | — | 1 | — | — | 3 |
| Imperial Bank | 3 | 3 | 3 | 160 | 160 | 163 |
| Exchange Banks | 18 | 17 | 18 | 91 | 98 | 95 |
| Indian J S Banks | 216 | 220 | 282 | 597 | 688 | 708 |

CLASSIFICATION OF BANKS IN INDIA.

The Indian banks fall under five categories (1) Reserve Bank; (2) Presidency Banks of Bengal, Bombay and Madras which have been amalgamated into the Imperial Bank of India on January 17, 1921, (3) Exchange Banks with their head offices outside India, (4) Indian Joint Stock Banks with head offices in this country and registered under the Indian Companies Act, and (5) Co-operative Banks registered under the Co-operative Societies Act of 1912. Since 1928 the official returns of the Joint Stock Banks have been further classified under two groups; (a) The Banks with a paid up capital and reserve of Rs 5 lakhs and over and (b) Smaller banks with a paid up capital and reserve of between Rs 1 lakh and less than Rs 5 lakhs. No statistics are available regarding Joint Stock Banks with capital and reserves less than Rs 1 lakh.

The above classification is simple but defective. It does not take into cognizance the hundreds of thousands of the native private bankers commonly known as shroffs, chetties, mahajans, etc., working on private account and outside the provisions of the Companies Act. The services of this unrecorded class of persons who form the lower rung of the indigenous banking hierarchy cannot be overestimated as it is they who are mainly responsible for the financing of the internal trade in India, which is quite a number of times as great in value as foreign trade. If all these various heterogeneous constituents of the Indian

Different modes of remittances, transport of goods, etc. explained in **TRADER'S MANUAL.** Industry Book Dept., Calcutta. Price Re. 1.

per cent in the price of foreign cotton, the Committee finds that, for the Province as a whole, the average widening of the margin would be a little over 93 per cent. of the total cost of production." The Committee is of the opinion that the average price obtained for cloth for the whole of the current season will be lower than the average for the two previous years.

5. The Committee arrives at the conclusion that the present improvement in the industry is not of a purely temporary nature.

6. For purposes of recommending an increase in wages, the Committee does not propose to entrench upon the improvement due to normal trading conditions in the industry in 1937 and 1938. Immediately, it is only the surplus resulting from the fall in the price of cotton upon which it wishes to draw. In order, further, that the industry may have time to adjust itself to the proposed increase in the annual wages bill, it suggests an increase to the extent not of the entire but of half the amount of this surplus. The Committee further states that it has also taken into consideration in its calculations one contingent factor, viz, the proposed legislation regarding sickness and old age benefits.

COMMITTEE'S RECOMMENDATIONS.

The following is the schedule of the proposed increases as given by the Committee:

Below Rs. 13-8 3 as in the rupee, provided that no person falling in this category shall receive more than Rs. 15-8 as a result of the increase.

Rs. 13-8 and below Rs. 25 2 as. 6 ps in the rupee, provided that no person falling in this category shall receive more than Rs. 28 as a result of the increase.

Rs. 25 and below Rs. 35 2 as in the rupee, provided that no person falling in this category shall receive more than Rs. 39-4 as a result of the increase.

Rs. 35 and below Rs. 40 1 as 6 ps in the rupee, provided that no person falling in this category shall receive more than Rs. 43 as a result of the increase.

Rs. 40 and below Rs. 75 one anna in the rupee, provided that no person falling in this category shall receive an increase in earnings of less than Rs. 3.

Rs. 75 and over nil.

Report of 1934. The Committee find that, according to these calculations, the percentage increase in the annual wages bill as a result of their recommendations will be 90 per cent for Ahmedabad, 119 per cent for Bombay and 143 per cent for Sholapur.

The Committee is of the opinion that "on a balance of the consideration set forth in the Report, the grading in the incidence of the wages increase between the various centres, resulting from its recommendations, is fair, and proper."

GOVERNMENT'S OPINION.

Government accept the recommendations of the Committee, and recommend to the millowners that the proposed increases shall be introduced with effect on the wages due for the month of February or for the last pay period of the month of February. The conclusions and recommendations of the Committee have been made after a searching enquiry, and in the view of Government are entitled to the weight and authority which should be attached to the award of an Industrial Court or a Court of Arbitration. Government are therefore of opinion that the recommendations as they stand should be carried out and accepted both by employers and labour.

Different modes of remittances, transport of goods, etc. explained in **TRADER'S MANUAL.** Industry Book Dept., Calcutta. Price Re. 1.

banks The main functions of the bank are enumerated in the constitution of the Bank, popularly known as the Reserve Bank of India Act

General Functions of the Bank.

The Bank is authorised to carry on and transact the several kinds of business, namely,—

(1) the accepting of money on deposit without interest from, and the collection of money for, the Secretary of State in Council, the Governor-General-in-Council Local Governments, States in India, local authorities, banks and any other persons;

(2) the purchase, sale and rediscount of bills of exchange and promissory notes, drawn on and payable in India,

(3) the purchase from and sale to scheduled banks of sterling in amounts of not less than the equivalent of one lakh of rupees;

(4) the making to States in India, local authorities, schedule banks and provincial co-operative banks of loans and advances, repayable on demand or on the expiry of fixed periods not exceeding ninety days, against the security,

(5) the making to the Governor-General-in-Council and to such Local Governments as may have the custody and management of their own provincial revenues of advances repayable in each case not later than three months from the date of the making of the advance,

(6) the issue of demand drafts made payable at its own offices or agencies and the making, issue and circulation of bank post bills,

(7) the purchase and sale of Government securities of the United Kingdom maturing within ten years from the date of such purchase;

(8) the purchase and sale of securities of the Government of India or of a Local Government of any maturity or of such securities of a local authority in British India or of such States in India as may be specified in this behalf by the Governor-General-in-Council on the recommendation of the Central Board,

(9) the custody of monies, securities and other articles of value, and the collection of the proceeds, whether principal, interest or dividends, of any such securities,

(10) the sale and realization of all property, whether movable or immovable, which may in any way come into the possession of the Bank in satisfaction, or part satisfaction, of any of its claims;

(11) the acting as agent for the Secretary of State in Council, the Governor-General-in-Council or any Local Government or local authority or State in India in the transaction of any of the following kinds of business, namely—

(a) the purchase and sale of gold or silver;

(b) the purchase, sale, transfer and custody of bills of exchange, securities or shares in any company;

(c) the collection of the proceeds, whether principal, interest or dividends, of any securities or shares;

(d) the remittance of such proceeds, at the risk of the principal, by bills of exchange payable either in India or elsewhere;

(e) the management of public debt;

(12) the purchase and sale of gold coin and bullion.

(13) the opening of an account with or the making of an agency agreement with, and the acting as agent or correspondent of a bank which is the principal currency authority of any country under the law for the time being in force in that country or any international bank formed by such banks, and the investing of the funds of the Bank in the shares of any such international bank;

METHODS OF IMPORTS AND EXPORTS ARE DISCUSSED IN FULL IN TRADER'S MANUAL. INDUSTRY BOOK DEPT. Price Re. 1.

money market can be brought together, mobilised and co-ordinated under a Central Bank, the financial power of India, will be greatly enhanced

PRESENT SYSTEM OF BANKING.

At present the most considerable banking systems in India are those of the indigenous bankers and of the Imperial Bank. The indigenous system seems to consist of a lower and an upper grade of financiers. Since this system has not yet been properly investigated and varies in different parts of India, all generalisations regarding it are dangerous, especially if made within a small compass. Coming just above the peasant, the lower grade is made up of the village money-lender, the produce dealer, a cloth merchant, the agent of the landlord and the like. These men lend money usually on the security of crops for the purchase of food, clothing, etc. Often the lower grade is in turn financed by an upper stratum which consists of mahajans, Marwaris and other professional Money-lenders who have their gudees in the provincial towns. These men work independently or as firms of financiers who sometimes have their principals and bankers or at least an agent in the provincial capital.

Unlike the complex machinery of western banking, the native system is undeveloped and these firms are rarely entrusted with deposits by the rural people who usually resort to the post office for this purpose. Usually these bankers lend money on hundis and pronotes to substantial parties or against securities and arrange for remittances by means of drafts within the province. They keep themselves in close touch with traders and small industrialists and enable the agricultural and industrial products of the country to be brought to the market. In rare cases, when they are entrusted with deposits, they issue cheque books and pass-books, also allow over-drafts and cash-credits. As a rule they lend for short periods and keep their resources in a fluid state. In the district markets their hundis are often negotiable. The fact that they have not been able to attract deposits may be due to the greater safety of post offices and branches of the Imperial Bank.

Although the indigenous bankers act independently of each other some of them still have a few guilds of ancient origin functioning in the north and south of India. Though the bulk of their activities are social and religious, they settle disputes among their members. In modern times these bankers have established a few associations, such as the Shroffs' Associations in Bombay, Ahmedabad and Calcutta, the Marwari Chamber of Commerce, and the Multani and Shikarpuri Bankers' Association in Bombay, Marwari Association in Rangoon and the Bankers' Association in Delhi. These have proved useful in bringing the bankers together, binding them to each other in their common interests and settling their daily disputes which otherwise would have had to be referred to the law courts.

RESERVE BANK OF INDIA.

At the head of the banking system in India ranks the Reserve Bank of India the absence of which had been one of the weakest features of India's economic development and organisation. It was constituted under the Reserve Bank of India Act. The Bank has a paid-up capital of Rs 5 crores and a reserve fund of Rs 5 crores. It has got both an issue and a banking department. It is responsible for the maintenance of the Currency, for the investment of the currency reserves in rupees and sterling and for supplying the Secretary of State with sterling for his London requirement. It is the repository of Government balances and attracts large deposits from scheduled

METHODS OF IMPORTS AND EXPORTS ARE DISCUSSED IN FULL IN TRADER'S MANUAL. INDUSTRY BOOK DEPT. Price Re. 1-

its increased responsibilities as Government bankers, accounted for some of the restrictions imposed on its business activities by its charter of 1920 and for the control exercised by the Government over the Bank. Due to the enactment of the Reserve Bank of India Act and the Imperial Bank Amendment Act of 1934, the Imperial Bank has been divested of its central banking functions and has been released from Government influence. The agreement between the Reserve Bank of India and the Imperial Bank of India came into force on April 1, 1935, and remains in force for the term of 15 years and thereafter until terminated after 5 years' notice on either side. The following are the provisions—The Bank is free to open branches anywhere outside India, including London. It has greater freedom in internal business and it can do foreign exchange business and open cash credits, receive deposits and borrow money outside India. It ceases to be banker to the Government but shall act as the sole agent of the Reserve Bank in places where there is a branch of Imperial Bank, and no branches of the Banking Department of the Reserve Bank shall be opened at these places until expiry of 15 years.

With the exception of functions relating to the management of the Public Debt Department, the Reserve Bank shall pay to the Imperial Bank as remuneration a sum which shall be, for the first ten years during which this agreement is in force a commission calculated at one-sixteenth of one per cent on the first 250 crores and one-thirty-second of one per cent on the remainder of the total of the receipts and disbursements dealt with annually on account of Government by the Imperial Bank on behalf of the Reserve Bank.

At the close of the said ten years the remuneration to be paid by the Reserve Bank to the Imperial Bank for the performance of these functions shall be revised and the remuneration for the ensuing five years shall be determined on the basis of the actual cost to the Imperial Bank, as ascertained by expert accounting investigation, of performing the said functions. The remuneration so determined shall thereafter be subject to revision in like manner at the end of each period of five years so long as this agreement remains in force. The amount of the said remuneration shall be arrived at by discussion in advance between the Reserve Bank and the Imperial Bank, so that the new arrangements may come into force at the beginning of each such period.

Capital, Reserves, Deposits, & Cash Balances.

The table below summarises the capital, reserves, deposits and cash balances of the three Presidency Banks regarded as one Bank up to year 1920 and of the Imperial Bank of India from 1921.

| | Capital | Reserve | Public Deposits (in lakhs of rupees) | Private Deposits | Total Deposits. | Cash Balances. |
|------|---------|---------|--|---------------------|--------------------|-------------------|
| 1913 | 3,75 | 3,73 | 5,89 | 36,48 | 42,37 | 15,38 |
| 1919 | 3,75 | 3,58 | 7,72 | 68,21 | 76,04 | 23,63 |
| 1920 | 3,75 | 3,78 | 9,03 | 78,01 | 87,04 | 26,03 |
| 1921 | 5,62 | 4,14 | 6,80 | 65,78 | 72,58 | 13,60 |
| 1922 | 5,62 | 4,33 | 14,16 | 57,01 | 71,16 | 15,07 |
| 1923 | 5,62 | 4,55 | 8,57 | 74,20 | 82,76 | 15,01 |
| 1924 | 5,62 | 4,80 | 7,50 | 76,71 | 84,21 | 15,60 |
| 1925 | 5,62 | 4,92 | 5,46 | 77,83 | 83,30 | 17,47 |
| 1926 | 5,62 | 5,09 | 6,45 | 73,90 | 80,35 | 20,90 |
| 1927 | 5,62 | 5,24 | 7,20 | 72,07 | 79,27 | 10,89 |
| 1928 | 5,62 | 5,39 | 7,95 | 71,30 | 79,25 | 10,58 |
| 1929 | 5,62 | 5,48 | 7,60 | 71,64 | 79,24 | 14,00 |

CLERK'S MANUAL—A COMPREHENSIVE MANUAL FOR THE GUIDANCE OF CLERKS. Industry Book Dept., Price Re. 1.

(14) the borrowing of money for a period not exceeding one month for the purposes of the business of the Bank, and the giving of security for money so borrowed. Provided that no money shall be borrowed under this clause from any person in India other than a scheduled Bank, or from any person outside India other than a bank which is the principal currency authority of any country under the law for the time being in force in that country. Provided further that the total amount of such borrowings from persons in India shall not at any time exceed the amount of the share capital of the Bank,

(15) the making and issue of bank notes subject to the provisions of this Act, and

(16) generally, the doing of all such matters and things as may be incidental to or consequential upon the exercise of its powers or the discharge of its duties under this Act.

Central Banking Functions of the Bank.

The Bank undertakes to accept monies for account of the Secretary of State in Council and the Governor-General-in-Council and such Local Governments as may have the custody and management of their own provincial revenues, and such States in India as may be approved of and notified by the Governor-General-in-Council in the Gazette of India, and to make payments up to the amount standing to the credit of their accounts respectively, and to carry out their exchange, remittance and other banking operations, including the management of the public debt.

Right to Issue Note.

The Bank has the sole right to issue bank notes in British India, and on and from the date on which this Chapter comes into force the Governor-General-in-Council shall not issue any currency notes. The issue of bank notes shall be conducted by the Bank in an Issue Department which shall be separated and kept wholly distinct from the Banking Department, and the assets of the Issue Department shall not be subject to any liability other than the liabilities of the Issue Department as hereinafter defined in section 34.

Obligation to Sell and Buy Sterling.

The Bank sells to any person who makes a demand in that behalf at its office in Bombay, Calcutta, Delhi, Madras or Rangoon and pays the purchase price in legal tender currency, sterling for immediate delivery in London, at a rate not below one shilling and five pence and forty-nine sixty-fourths of a penny for a rupee.

According to the agreement between the Secretary of State and the Reserve Bank, the former shall employ the bank as the sole banker in India of the Governor-General-in-Council, who shall deposit or cause to be deposited with the bank or allow the bank to receive and hold as banker the whole of his cash balances at any places at which for the time being the bank shall have an office. The bank shall make moneys at the said offices, branches and agencies available for transfer to such places and at such times as the Governor-General-in-Council may direct. No interest shall be payable to the Governor-General-in-Council on any of the moneys for the time being held by the bank.

IMPERIAL BANK OF INDIA.

The Imperial Bank of India was established in 1921 under the Imperial Bank of India Act of 1920 by amalgamation of the three Presidency Banks, the Banks of Bengal, Bombay and Madras. It is a commercial bank with private shareholders with an authorised capital of Rs. 11½ crores of which half is paid up. It inherited from its three predecessors certain functions as a banker's bank, which together with

relating to their Indian business separately. The table below gives such figures as are available:—

Capital & Reserve, Deposits & Cash Balances.

| | No. of Banks. | Capital & Reserves (in million £) | Deposits in India (in lakhs of rupees). | Cash Balance in India |
|------|------------------|---|---|--------------------------|
| 1913 | 12 | 38 | 31.04 | — |
| 1919 | 11 | 53 | 74.36 | 29.98 |
| 1920 | 15 | 90 | 71.81 | 25.18 |
| 1921 | 17 | 112 | 75.20 | 23.57 |
| 1922 | 18 | 112 | 73.38 | 16.18 |
| 1923 | 18 | 140 | 68.44 | 14.48 |
| 1924 | 18 | 130. | 70.63 | 16.00 |
| 1925 | 18 | 138 | 70.55 | 10.00 |
| 1926 | 18 | 148 | 71.54 | 10.80 |
| 1927 | 18 | 181 | 68.86 | 8.13 |
| 1928 | 18 | 188 | 71.14 | 8.05 |
| 1929 | 18 | 228 | 66.66 | 9.05 |
| 1930 | 18 | 194 | 68.11 | 7.71 |
| 1931 | 17 | 186 | 67.47 | 8.81 |
| 1932 | 18 | 174 | 73.07 | 8.60 |
| 1933 | 18 | 143 | 70.78 | 6.72 |
| 1934 | 17 | 142 | 71.40 | 7.68 |
| 1935 | 17 | 137 | 76.18 | 12.55 |

JOINT STOCK BANKS.

An important system of banking consists of the Indian Joint Stock Banks. In 1935 there were 105 banks of this class with about 700 branches scattered throughout the country. Their aggregate paid-up capital and reserves amounted to Rs. 14.70 lakhs, their deposits to Rs. 89.89 lakhs and their cash-balances to Rs. 19.97 lakhs.

Of them 9, namely, the Central Bank of India, the Allahabad Bank, the Bank of India (Bombay), the Punjab National Bank, the Bank of Baroda, the Bank of Mysore, the Indian Bank (Madras) and the Punjab and Sind Banks, and Punjab Co-operative Bank (Amritsar) had deposits of Rs. 1 crore and over. The deposits of the first four exceeded Rs. 5 crores in each case.

All the Indian joint stock banks are registered under the Indian Companies Act. The main business of these banks is to attract deposits, current, fixed and savings, and to finance trade by giving short-term advances against easily realisable securities opening cash credits, and discounting inland bills of exchange. They also finance the movement of produce from the village to the exporting port and distribution of imports from the port of entry to the distributing centres. Advances are made against hypothecation of agricultural products such as grain and cotton, against security of piecegoods and stocks in trade. The business of these banks so far as the agriculturists are concerned usually confined to the larger land holders, the planting community and others who possess tangible and marketable security. The smaller banks are generally loan offices which advance money to the professional and agricultural classes. One or two Indian joint stock banks undertake business in foreign exchange, but their turnover in this is small.

The first joint stock bank in India was started in 1770 but purely Indian joint stock bank did not come into existence until the year 1881. The early joint stock banks were all under European control and management but during the past twenty years many Indian joint stock

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| | Capital | Reserve | Public Deposits. (in lakhs of rupees). | Private Deposits. | Total Deposits. | Cash Balances. |
|------|---------|---------|---|-------------------|-----------------|----------------|
| 1927 | 5,62 | 5,58 | 7,87 | 78,59 | 83,97 | 12,04 |
| 1931 | 5,62 | 5,14 | 8,32 | 63,56 | 72,18 | 11,04 |
| 1932 | 5,62 | 5,40 | 7,77 | 55,85 | 75,43 | 20,97 |
| 1933 | 5,62 | 5,49 | 6,44 | 74,12 | 89,57 | 18,59 |
| 1934 | 5,62 | 5,65 | 6,72 | 74,28 | 81,19 | 18,97 |
| 1935 | 5,62 | 5,42 | 10,53 | 80,69 | 91,53 | 22,41 |
| 1936 | 5,62 | 5,59 | — | — | 77,99 | 8,85 |

Financial position of the Bank as on the 31st. December, 1937 is given in a tabular form below:—

| Liabilities | (in 1,000 rupees). | Assets. | (in 1,000 rupees) |
|---|--------------------|--|-------------------|
| Capital paid up | — 5,62.59 | Government Securities | — 45,24.09 |
| Reserve Fund | — 5,59.09 | Other investments | — 2,57.25 |
| Fixed Deposit, Savings Bank, Current and other accounts | — 53,02.12 | Loans | — 6,45.21 |
| Loans against securities per contra | — — | Cash Credits and Over-drafts | — 16,16.22 |
| Acceptances for consignment | — — | Bills discounted | — 5,05.15 |
| — — — — — | — 4.57 | Liability of constituents per contra | — 45. |
| Sundries | — 1,57.82 | Dead Stock, etc. | — 3,47.50 |
| | | Cash in hand and with the Reserve Bank and other Banks | — 10,61.22 |
| Total | — 82,07.11 | Total | — 82,07.11 |

BANK RATE AND DIVIDEND.

The bank rate of interest varied from 3 to 5 per cent. during 1932-33; 7 to 6 per cent. during 1933-34; 8 to 6 per cent. during 1934-35; and 7 to 3½ per cent. during 1935-36 but remained steady at 3½ per cent. from 16th February, 1932 upto 27th November 1935 since when the rate is fixed at 3 per cent.

EXCHANGE BANKS.

The exchange banks are non-Indian with head-offices outside India. Two are concerned mainly with tourist traffic while the principal business of the other banks is the financing of India's foreign trade. This work of financing India's foreign trade usually consists of two operations, viz. (1) the financing of the movement of goods from Indian ports to foreign ports and vice versa, and (2) the financing of it from or to Indian ports to, or from, the distributing or collecting centres in the interior of India. Besides financing foreign trade, the exchange banks do every kind of banking business. They compete with the Imperial Bank and the Indian Joint-stock banks by receiving deposits both on current and savings bank account, receiving fixed deposits, purchasing bills in foreign currencies, making loans against shipping and other documents, and financing imports of bullion. They also play some part in the financing of the inland trade in several up-country centres. The piecegoods trade in Delhi and Amritsar, the leather trade in Cawnpur and the jute trade in Bengal are financed by them to a large extent. The terms for the deposits of these banks are, as a rule, higher than those of the Imperial Bank of India but lower than those of the Indian Joint-Stock banks. While the Imperial Bank of India does not allow interest on current accounts the exchange banks generally allow 2 per cent. in daily balances exceeding a minimum limit up to Rs. 1 lakh. The exchange banks do not publish any statements

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| | | Total Capital & Reserves (in lakhs of rupees). | Deposits |
|------|-----|--|----------|
| 1923 | --- | 2,07,83 | 1,98,90 |
| 1924 | --- | 1,96,17 | 2,10,05 |
| 1925 | --- | 2,06,75 | 2,11,75 |
| 1926 | --- | 2,20,16 | 2,15,04 |
| 1927 | --- | 2,64,39 | 2,12,43 |
| 1928 | --- | 2,73,87 | 2,16,74 |
| 1929 | --- | 3,27,29 | 2,12,20 |
| 1930 | --- | 2,82,62 | 2,19,73 |
| 1931 | --- | 2,72,07 | 2,05,84 |
| 1932 | --- | 2,56,35 | 2,24,76 |
| 1933 | --- | 2,15,53 | 2,27,78 |
| 1934 | --- | 2,14,27 | 2,34,28 |
| 1935 | --- | 2,18,80 | 2,79,81 |

A remarkable fact indicating the need of more banks in India is the steady growth of deposits in the existing banks. The total deposits in all banks in this country increased from Rs. 210 crores in 1924 to Rs. 217 crores in 1928 but received a setback in 1929 and dropped to Rs. 212 crores. In 1935 the deposits increased to Rs. 2,80 crores. In this year the respective shares in the total deposits were as follows: the Imperial Bank 28 per cent, the Exchange Banks 27 per cent and the Indian Joint Stock Banks 28 per cent, and the Reserve Bank 13 per cent. In the case of the Exchange Banks, the figures refer to their deposits only in India.

Cash balances at the end of 1935 were 25 per cent. of liabilities on deposits in the case of the Imperial Bank, 16 per cent. in the case of Exchange Banks and 23 per cent. in the case of Joint Stock Banks with capital and reserves exceeding Rs. 5 lakhs and 16 per cent. in the case of those with smaller capital.

TOTAL PRIVATE DEPOSITS.

A comparative table showing the private deposits received by the Exchange Banks, Imperial Bank of India and Joint Stock Banks follows:—

| | Exchange Banks | Imperial Bank. (in lakhs of rupees). | Joint Stock Banks | Total. |
|------|-------------------|--|----------------------|---------|
| 1913 | 31.04 | 36.49 | 24.10 | 91.36 |
| 1919 | 74.36 | 68.21 | 62.27 | 2,63.84 |
| 1920 | 74.80 | 78.02 | 73.48 | 2,26.30 |
| 1921 | 75.20 | 65.78 | 80.16 | 2,21.14 |
| 1922 | 73.38 | 57.01 | 65.02 | 1,95.41 |
| 1923 | 68.44 | 74.20 | 47.69 | 1,98.90 |
| 1924 | 70.63 | 76.71 | 55.16 | 2,10.05 |
| 1925 | 70.55 | 77.83 | 57.91 | 2,11.75 |
| 1926 | 71.54 | 73.90 | 63.15 | 2,15.94 |
| 1927 | 68.36 | 72.07 | 64.30 | 2,12.43 |
| 1928 | 71.14 | 71.30 | 66.35 | 2,16.74 |
| 1929 | 66.66 | 71.64 | 66.30 | 2,12.20 |
| 1930 | 68.11 | 76.60 | 67.65 | 2,19.61 |
| 1931 | 67.47 | 63.86 | 66.19 | 2,05.72 |
| 1932 | 73.07 | 68.36 | 76.27 | 2,24.66 |
| 1933 | 70.78 | 74.13 | 76.42 | 2,27.67 |
| 1934 | 71.40 | 74.28 | 81.88 | — |
| 1935 | 76.18 | 79.09 | 89.89 | 2,79.81 |

Disinfectants and Antiseptics give full details of preparing all sorts of insecticides and medicated cottons. Industry Book Dept., Price Re. 1/8.

banks have sprung into existence, assisted by the Swadeshi Movement of 1905 and by the high tide of economic revival which swept over the country during the post-war period. In 1905 there were only 9 Indian joint stock banks (each with capital not less than Rs 5 lakhs) commanding a total deposit of about Rs 12 crores. To-day the number has risen to 84 and the deposits to about Rs 76½ crores.

Nevertheless the scope of expansion of Indian joint stock banking is immense. In 1935 India had only 1100 banking offices as against 25,000 in the U S A., 13,100 in Great Britain and Ireland, 4,400 in France, 3,100 in Germany and 1,200 in Belgium. In consideration of the fact that there are 2,500 towns in India, there is use for more branches of existing banks as well as for new local banks. Again the distribution of banks at present seems to be uneven. Banking offices are fairly distributed in the Punjab, the U P. and the three Presidencies but banking facilities were inadequate in other parts of India, especially Bihar and Orissa, C P., Assam and most of the Indian State.

The position of the Joint Stock Banks during the last few years is shown by the following table —

| | No of Banks | Capital & Reserves (in lakhs of rupees) | Total Deposits | Cash Balances |
|------|----------------|---|-------------------|------------------|
| 1913 | 41 | 4,14 | 24,10 | 4,25 |
| 1919 | 47 | 8,88 | 61,28 | 12,71 |
| 1920 | 58 | 11,74 | 73,48 | 16,73 |
| 1921 | 65 | 13,40 | 80,16 | 16,10 |
| 1922 | 68 | 11,76 | 65,02 | 12,60 |
| 1923 | 69 | 10,85 | 47,69 | 1,98 |
| 1924 | 70 | 11,79 | 55,20 | 11,65 |
| 1925 | 74 | 11,78 | 57,91 | 10,78 |
| 1926 | 75 | 12,10 | 68,15 | 9,49 |
| 1927 | 77 | 12,30 | 64,30 | 8,22 |
| 1928 | 74 | 12,29 | 66,35 | 8,71 |
| 1929 | 78 | 12,69 | 66,30 | 9,50 |
| 1930 | 84 | 13,31 | 67,65 | 8,19 |
| 1931 | 84 | 13,36 | 66,19 | 8,16 |
| 1932 | 83 | 13,50 | 76,27 | 10,41 |
| 1933 | 84 | 13,64 | 76,42 | 11,71 |
| 1934 | 105 | 14,16 | 81,88 | 11,86 |
| 1935 | 105 | 14,70 | 89,89 | 19,97 |

During 1935 the number of banks with capital and reserve exceeding Rs 5 lakhs was 38. These had an aggregate capital and reserves of Rs 13,20 lakhs and attracted deposits of Rs 84,45 lakhs and cash balance of Rs 19,12 lakhs. Bills discounted, and loans and advances amounted to Rs 47,03 lakhs.

TOTAL CAPITAL AND DEPOSITS.

The total capital and reserve and deposits including public deposits of the three Presidency Banks (Imperial Bank of India since 1921), the Exchange Banks and the Indian Joint Stock Banks together during the last decade follow:—

| | Total Capital & Reserves. (in lakhs of rupees) | Deposits |
|------|--|----------|
| 1919 | 86,47 | 2,11,57 |
| 1920 | 1,39,56 | 2,35,33 |
| 1921 | 1,72,01 | 2,27,98 |
| 1922 | 1,71,33 | 2,09,56 |

Disinfectants and Antiseptics give full details of preparing all sorts of insecticides and medicated cottons. Industry Book Dept., Price Re. 1/8.

are desirable in many parts of India and that no transactions should be undertaken which is not economically profitable to the borrower. The principal objects of these banks should be the redemption of the land and houses of the agriculturists and liquidation of old debts, the improvement of land and of methods of cultivation and the building of houses of agriculturists and purchase of land in special cases.

Land Mortgage banks have been started under the auspices of the co-operative movement in the Punjab, Madras, Bombay, Bengal and Assam but they are not sufficiently large in number or in size to meet fully the requirements of the Indian agriculturists for long terms credit, for the redemption of mortgages of land, for the clearance of debts and for land improvement.

LOAN OFFICES, NIDHIS AND CHIT FUNDS.

Loan Offices in Bengal and Nidhis and Chit Funds in Madras occupy an intermediate position between indigenous bankers and modern joint-stock banks. The first loan office in Bengal was established in 1865. These loan offices were originally started along the lines of land mortgage banking to ameliorate the conditions of the agriculturists. Their paid-up capital is generally small and only a few of them have a paid-up capital of Rs. 1 lakh or more. They mostly depend upon the deposits from the middle class people and do not issue debentures. Their main business is to lend money to Zamindars and their tenant cultivators against mortgage of land, pledge of ornaments or personal security. They seldom finance trade and industry. But some of them have trading departments. They usually charge 12 per cent for secured loans and higher rates on unsecured ones. The interest they allow to their depositors range from 4 to 8 per cent.

Nidhis in the Madras Presidency originally started as loan societies, now number about 228 of which 5 are registered as banks. Their total paid up capital is about Rs. 2½ crores and deposits and reserve funds about Rs. 1½ crores. Funds are generally obtained in withdrawable share capital paid in monthly instalments. The Nidhis lend even to outsiders when funds permit at about 6½ per cent but charge high rates on overdue amounts.

Chit Funds which are several thousands in number function in the Madras Presidency to promote savings and to lend money to members.

STATUTORY REPORT OF RESERVE BANK OF INDIA.

The Statutory Report issued by the Reserve Bank of India, during 1937 deals with a number of such important questions as the regulation of money-lending, agricultural credit, co-operative banks, and the functions of provincial banks.

The Reserve Bank of India was required to submit, within three years of it being set up, a report on the following matters: (a) The extension of the provisions of the Reserve Bank of India Act relating to scheduled banks to persons and firms, not being scheduled banks, engaged in British India in the business of banking, and (b) the improvement of the machinery for dealing with agricultural finance and methods for effecting a closer connection between agricultural enterprise and the operations of the Bank. The present report makes an interesting survey of the banking conditions in the country and thus deserves public attention.

Credit to Agriculturists.

It is a well-known fact that agriculture in India is not so much a profession as a mode of living, and that before credit can be

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CO-OPERATIVE BANKS.

Co-operative banks are established under the Co-operative Societies Acts. They consist of the provincial banks at the apex, the central banks which are affiliated to the provincial bank, and the primary societies which are mostly affiliated to the central banks. Under the Acts and the rules of the Co-operative Department, the co-operative banks and societies are debarred, except with the general or special sanction of the Registrar, from lending to any one who is not a member of the institution. Most of the primary societies are agricultural and their main function is to supply credit to the agriculturist. The provincial banks assist the central banks by advancing funds for use as part of their working capital and also by the grant of ordinary and special cash credits to enable the provincial banks to work on a low level of till money. The provincial banks obtain their finance mainly from deposits from the public, but central banks and primary societies also contribute to the resources of the provincial bank in the shape of share capital and deposits of their surplus funds. The provincial banks have also arrangements for cash on credits and overdrafts with the Imperial Bank.

The primary function of the central banks is to supply the working capital needed by their affiliated primary societies. They obtain their finance partly from the apex provincial bank and partly from the deposits by the public. The majority of shares in central banks are held by affiliated societies. The primary societies maintain a register of assets and liabilities of each individual member and a copy of this is kept by the Central Bank.

There are also non-agricultural societies both with limited and unlimited liability which cater to the needs of a great variety of persons including officers of Government, employees of industrial companies, contractors, small traders, fishermen, weavers, artisans and others. Prominent among the societies from the point of view of banking are co-operative urban banks. These are generally institutions with limited liability, drawing their funds largely from deposits and financing the small trader and the small industrialist.

Co-operative credit shows gradual development during the last few years, but the greatest defect it suffers from is that it is unable to afford long-term loans. The table below shows the position of co-operative banks in India —

| | Number | Capital & Reserves | Deposits (in lakhs of rupees). | Loans Outstanding | Cash Balances |
|---------|--------|-----------------------|-----------------------------------|----------------------|------------------|
| 1919-20 | 31 | 78 | 3.60 | — | 11 |
| 1929-30 | 179 | 5.13 | 27.03 | 23.05 | 1.52 |
| 1930-31 | 199 | 5.91 | 30.24 | 24.55 | 1.55 |
| 1931-32 | 208 | 6.36 | 36.95 | 24.04 | 1.92 |
| 1932-33 | 220 | 7.13 | 37.16 | 23.50 | 3.58 |
| 1933-34 | 229 | 7.26 | 30.78 | 23.38 | 2.30 |
| 1934-35 | 236 | 8.03 | 41.13 | 24.34 | 3.06 |
| 1935-36 | 274 | 9.37 | 33.98 | 27.12 | 4.24 |

LAND MORTGAGE BANKS.

The constitution of land mortgage banks has been the subject of thorough examination and almost unanimous agreement by the conference of Registrars of Co-operative Societies in India in 1926 and in 1928, by the Royal Commission on Agriculture in India in 1928 and by the Banking Inquiry Committee in 1930. The Banking Committee recommended that land mortgage banks based on co-operative principles

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With regard to primary societies, the previous recommendations are reiterated, namely, (i) that the overdues and long-term loans should be separated and put on a proper footing, (ii) that in order that the societies should be able to grant extensions or remissions in case of crop failures, they should build up strong reserves by keeping an adequate margin between their borrowing and lending rates, and, (iii) that future loans should be restricted to such sums only as could be reasonably expected to be repaid out of the harvest.

A further recommendation is added, namely, that the primary society, which is the pivot of the whole movement, must be re-established and reconstructed on sound co-operative lines so as to bring the whole life of the cultivator within its ambit. It must stand the test prescribed for the most suitable agency, it must not be merely an agency for supplying finance, but an influence for the all-sided development of agriculture and the betterment of the life of the village from every point of view.

It is pointed out that a start must be made from the bottom, and that, instead of forming commission shops, the primary societies should be induced and assisted to take up joint marketing. After such organisations are built up, a large central sale society should be organised for undertaking the more technical tasks of grading, processing, and orderly marketing.

Banks and Re-organisation.

The necessity of splitting up unwieldy institutions is emphasized, and it is pointed out that the provincial bank as the apex institution should play a much wider part in the direction, reorganisation, and guidance of the movement.

It is also pointed out that the banks should take account of the recent developments in banking as incorporated in the Indian Companies Act, and should re-model themselves accordingly.

The essential banking practices to which co-operative banks should conform are indicated, and it is pointed out that unless the banks re-organise themselves on these lines, they would not be able to become self-supporting and to do away with Government backing.

The desirability of establishing closer connection with commercial banks is also emphasized, as also the necessity of proper training of the staff.

Land Mortgage Banks.

The report points out the defects in the present system of liquidation of old debts by land mortgage banks, and the danger of their having to face after a few years the same difficulties as some of the co-operative banks.

The Bank considers it highly desirable that arrangements should be made for the person whose debt is to be paid by the land mortgage bank to serve a period of probation with a good primary credit society, and that even after the land mortgage bank has advanced him a loan, he should continue to be a member of a multiple purpose society, so that the regular repayment of his instalment may be ensured by proper supervision of his activities.

It is also pointed out that the main purpose of long-term loans raised on the security of lands, should be the improvement of the land itself, and land mortgage banks are advised to take a greater part in supplying finance for land improvement in co-operation with the Agricultural Department of the Government.

The passing of special legislation on the lines of the Madras Land Mortgage Banks Act to improve the working of land mortgage banks is recommended.

THE RETAIL TRADE—an exposition of Methods that build up Retail Trade. Industry Book Dept., Shambazar, Calcutta. Price Re. 1/-.

come freely available to the agriculturist he must be made credit worthy. The test for the most suitable agency for supplying agricultural finance is, therefore, that it must have an educative as well as a purely business side.

An agency which satisfies this condition is the co-operative society, and the Report recommends that the co-operative movement should be reconstructed and revitalised so as to serve not only as an effective credit agency, but as a motive power for the improvement of agriculture from every point of view.

Commercial Banks and Advances.

The Report then deals separately with the various agencies and considers the question of their improvement. With regard to commercial banks, the Report states that commercial banks are in the best position to finance the movement and marketing of crops by making short-term advances against produce, and, that in order that they may be able to do so, the arrangements for the marketing of crops must be improved by (i) the grading and standardisation of staples and of contracts, (ii) proper storage facilities, and (iii) the creation of properly regulated local as well as forward markets.

As regards Government, it is pointed out that it is not suited to serve as the source of normal finance to agriculture, and that it will remain in its present role of helper in emergencies. What is required from Government is not so much actual loans to cultivators, as an active and progressive agricultural policy.

Registration of Money-lenders.

With regard to the money-lender who is the largest supplier of agricultural credit, it is pointed out that regulation of his business is long overdue, and that the pendulum now appears to have swung to the other extreme.

Though the regulation of money-lending has, for the time being, probably resulted in the restriction of credit, it is pointed out that registered companies have also to submit to regulations, and that it does not impose any special disabilities on the money-lender.

The Bank is, therefore, in favour of reasonable legislation regulating money-lending and making registration compulsory for all money-lenders. If this is done it will be possible to create a privileged class of money-lenders who will be licensed and approved for dealings with the Reserve Bank.

Scaling Down of Debts.

As regards the scaling down of debts, the Bank considers that debt conciliation measures should be looked upon as an attempt to solve the deadlock in agricultural credit which has taken place owing to the fall in prices, and that so long as they are recognised as essentially emergency devices, they would do more good than harm.

The enactment of a simple rural insolvency law for dealing with cases of hopelessly involved cultivators is urged.

It is, however, pointed out that where indebtedness is chronic owing to normal disequilibrium between the agriculturist's income and expenditure, scaling down does not provide a permanent cure, and that such indebtedness requires a comprehensive policy aimed at improving the whole life and economic status of the agriculturist.

Primary Co-operative Societies.

A chapter is devoted to the co-operative movement, and to the various directions in which rectification and consolidation is necessary.

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Co-ordination with Money-Lenders.

In order to make finance for the marketing of crops available to a much larger extent, the Bank suggests that advances made by the moneylender to the agriculturists on the security of the crops or produce should be drawn as bills in such a form that they could be discounted with the scheduled banks so as to be available for rediscount from them by the Reserve Bank.

The Bank expresses its willingness to rediscount such bills at special rates by the grant of rebates to scheduled banks in areas where, owing to inadequate financial machinery, the agriculturist has to pay an unduly high rate, if it was satisfied that the benefit of such rebates was passed on to the cultivator.

Such a scheme does not require any modification of the Act, and the Bank is considering in consultation with the various interests involved, whether it would be feasible.

Indigenous Bankers.

The indigenous banker is responsible for financing most of the inland trade and industries, and also takes indirectly a considerable part in supplying agricultural credit. In order to bring him within the co-operated system the Bank put forward certain tentative proposals, and, in the light of the replies received, prepared a scheme under which indigenous bankers could come into practical relationship with the Bank, if they reorganised their methods of business on lines approximating to joint stock banks, and in particular developed the deposit side of the banking activities.

The replies from representative indigenous bankers were not, however, favourable, and the Bank considers that the ultimate solution must be the development of an open bill market in which first-class bills are freely negotiated, and emphasizes in this connection the necessity for the reduction in the stamp duty.

The Bank is actively investigating the possibility of creating a bill market by encouraging the formation of acceptance houses, etc. It does not recommend any legislation on the lines of its scheme, but keeps its offer open, and states that if the indigenous banks indicate a desire to conform to its conditions, or suggest some other practical alternative, it will be prepared to take up the matter with Government with a view to legislation.

Future of Agricultural Finance.

In conclusion, the Bank points out that it is not to be expected that a cut and dried scheme which will remedy all the ills from which agriculture suffers can be put forward all at once.

It can take up each aspect of the problem for intensive study and go on suggesting remedies.

In the Agricultural Credit Department the Bank possesses an organisation which is being built up for this work.

It is pointed out that the Bank is not a committee or commission of enquiry which goes out of existence after reporting on a given problem, and that this report is not to be regarded as its last word on the subject.

It promises that problems of agricultural credit will have its unremitting attention, that it will give its friendly consideration to any practical suggestion about them from any quarter, and expresses the hope that gradually as it acquires experience by experiment, it will be able to make a real contribution towards their solution.

GUIDE TO DYEING & CLEANING A HAND BOOK FOR AMATEURS & PROFESSIONALS. INDUSTRY BOOK DEPT., Calcutta. Price As. 4.

Progress Depends on Reformation.

The recommendations of the MacLagan Committee and the Royal Commission regarding the training of the staff and the qualifications of officers selected for the post of Registrars are quoted in extenso, and it is pointed out that not every Province has given to these valuable recommendations the attention they deserve.

The chapter on the co-operative movement ends with the acknowledgment that some of the measures suggested are being adopted in several places. It is, however, pointed out that it is only when the co-operative movement is reformed in a comprehensive manner as recommended, that a real improvement can be brought about.

The Role of the Reserve Bank.

Some fundamental facts regarding the constitution and functions of the Reserve Bank are explained. It is pointed out that the Bank is entrusted with the cash reserves or the fluid resources against deposit of all the important banks and the funds which are kept with it, so that the entire pool may be available in times of emergency, and not locked up in forms of business which the scheduled banks themselves would not undertake.

The Bank is thus the bankers' bank and cannot lend to agriculturists direct or supply normal finance to any of the credit agencies. It cannot also play the same role as Government in the matter of agricultural credit.

Credit agencies must build up their own business on their own resources and cannot rely for day-to-day business on the Reserve Bank. It is no part of the functions of a central bank to provide directly day-to-day finance for banks and other institutions, but rather to produce monetary conditions under which there would be adequate facilities for all those seeking credit for legitimate purposes or having funds to invest.

The Reserve Bank can come into the picture only when the ordinary pool of commercial credit appears inadequate to meet the reasonable business requirements of the country.

Principles for Co-operative Banks

It is stated that the same basic principles must be followed in the case of co-operative banks. The manner in which the Bank is authorised to give financial accommodation to co-operative banks under Section 17 of the Act is set out in detail, and it is explained that in granting this accommodation the Bank must judge for itself the advisability and expediency according to the circumstances of the time.

The Bank proposes to issue from time to time instructions and circular letters indicating what are, in its opinion, the criteria of sound banking which would justify its making advances, and also laying the procedure for obtaining loans and advances when these conditions are fulfilled.

The report considers in detail the various demands made by co-operative organisations for the extension of the provisions of the Act, but considers that the present provisions give sufficient scope for help, particularly in view of the fact that all sound banks have ample funds.

Though it does not consider it advisable or necessary to make any recommendations for amendment of the Act at this stage, it promises to bear in mind the requirements of the movement. It is stated that the question of remittance facilities is being examined separately.

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companies incorporated in the Indian Companies Act. As the replies showed that the indigenous bankers did not consider that it would suit them to submit to the conditions which we considered necessary, we informed Government that we could not recommend any immediate legislation to amend the Reserve Bank Act in regard to the extension of its provisions relating to scheduled banks to the private bankers, though, as mentioned in the Statutory Report the offer made in our letter of the 26th August, 1937, is still open and we will be prepared to take the matter up with Government with a view to amending the Act, if the indigenous bankers are prepared to conform to our conditions or suggest any other practical alternative. We are also considering whether it would be possible to develop open market operations in trade bills as this would give first class indigenous bankers closer relationship with us without the necessity of making any radical changes in their present business methods. There are, however, many obvious difficulties in the way, not the least of which is the stamp duty on bills, which besides being very onerous at present money rates, is a severe handicap to our purpose. The Indian Banking Enquiry Committee (1930-31) recommended its reduction to a uniform level of two annas per thousand rupees and the Reserve Bank has been pressing the Central Government and through them the Provincial Governments to carry out this suggestion and it is understood that it is receiving their immediate attention.

Scheduled Banks' Position.

The total number of scheduled banks increased from 50 to 54 during the course of the year. The advantages of contact with the central bank of the country are being increasingly recognised by the joint-stock banks and some of them increased their share capital apparently with the primary object of being included in our Schedule. The accompanying table compares the position of the scheduled banks on the 1st January, 1937, and the 31st December, 1937.

| | As on 1-1-1937 Rs | As on 31-12-1937 Rs. | Difference Rs |
|---------------------------------------|-------------------------|----------------------------|------------------|
| Demand Liabilities in India and Burma | 131,72,29,000 | 131,53,84,000 | — 18,45,000 |
| Time Liabilities in India and Burma | 102,28,32,000 | 110,76,99,000 | + 8,48,67,000 |
| Cash in India and Burma | 7,19,31,000 | 8,14,89,000 | + 95,58,000 |
| Balances with the Reserve Bank | 20,48,70,000 | 19,91,99,000 | — 56,71,000 |
| Advances in India and Burma | 100,32,53,000 | 108,73,36,000 | + 8,40,83,000 |
| Bill Discounted in India and Burma | 4,95,91,000 | 6,13,98,000 | + 1,18,07,000 |

In spite of the speculative movements in the stock exchange and in commodity prices trade continued active and the demand and time liabilities of the scheduled banks grew from Rs. 234 crores in January to Rs. 242 crores in December. The percentage of cash and balances with the Bank to demand and time liabilities rose from 9.75 in January to 17.35 in August, declining to 11.6 at the end of December. During the year under review the total number of branches, pay offices, etc., of the banks increased from 828 to 1,138 as compared with the previous year when the total rose from 723 to 828, which shows that branch banking is developing in India on an increasing scale, though it is obvious that much further progress in this direction will be necessary.

Complete information on manufacturing all sorts of milk products are contained in Milk & Milk Products. Industry Book Dept., price Re. 1/8.

THIRD ANNUAL REPORT OF THE RESERVE BANK.

The Report of the Central Board of Directors of the Reserve Bank of India for the year ended 31st December, 1937, of the Bank states

Distribution of Shares.

The accompanying tables show the distribution of the Bank's shares on the 1st April, 1935, the 31st December, 1936, and the 31st December, 1937.

| | Distribution of Shares on the 1st April 1935 | Distribution of Shares on the 31st Dec 1936 | Distribution of Shares on the 31st Dec 1937 |
|---|---|--|--|
| Bombay | 1,40,000 | 1,39,838 | 2,01,448 |
| Calcutta | 1,45,000 | 1,31,423 | 1,25,216 |
| Delhi | 1,15,000 | 97,314 | 93,919 |
| Madras | 70,000 | 61,217 | 60,221 |
| Rangoon | 30,000 | 20,208 | 19,196 |
| | Number of Shareholders on the 1st April 1935 | Number of Shareholders on the 31st Dec 1936 | Number of Shareholders on the 31st Dec 1937 |
| Bombay | 28,000 | 22,242 | 21,467 |
| Calcutta | 23,890 | 15,571 | 14,525 |
| Delhi | 22,000 | 16,744 | 15,669 |
| Madras | 14,000 | 9,702 | 9,142 |
| Rangoon | 3,157 | 1,914 | 1,767 |
| TOTAL | 92,047 | 66,273 | 62,570 |
| | 1st April 1935 | 31st Dec 1936 | 31st Dec 1937 |
| Average number of shares held by each Shareholder | 54 | 75 | 80 |

It will be noticed that the total number of shareholders has declined considerably since the inception of the Bank in April 1935. Under Section 14 (3) of the Reserve Bank of India Act, 1934, each shareholder has one vote for each five shares subject to a maximum of ten votes so that if this tendency continues blocks of shares might become concentrated in the hands of a few holders, with the effect of restricting the electorate and the risk of detaching from the representative character of the directorate chosen by it. We therefore reported the position to Government with the suggestion that they might consider the limitation of the shares that a holder may register in his name on our books to a maximum of 200 shares. We also reported certain drafting flaws of a minor nature in the wording of the Act with the suggestion that they might be remedied by legislation.

INDIGENOUS BANKERS

In connection with the statutory obligations imposed on the Reserve Bank under Section 55 (1) (a) of the Reserve Bank of India Act, 1934, the Bank addressed a circular letter to all scheduled banks and representative indigenous bankers on the 6th May, 1937, with a view to eliciting their opinion on the possibilities of linking the indigenous banker with the Reserve Bank. In the light of the replies the Bank formulated a draft scheme in August, 1937, for the direct linking of private bankers based on the recommendations of the Central Banking Enquiry Committee and the regulations relating to banking.

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INSURANCE IN INDIA.

THOUGH the principles of insurance were tried and verified as early as in the seventeenth century in various forms, it was not before the nineteenth century that these met their first application in India.

But the progress though slow has been steady and the spade work done by insurance companies has awakened a class consciousness on the essential necessities of insurance and the manifold benefits it confers. The first period of every innovation is often very trying and it was so in the case of Indian insurance but with the dawning of the twentieth century the progress has been livelier as the gradual expansion of the companies clearly exhibits.

The Indian insurance companies that dominate the field now are conducted efficiently and their accumulated funds and solvent position fully justify Indian support more and more. Entering the field where powerful foreign companies had once enjoyed a practical monopoly, they proved their mettle by working their way to steady growth against vigorous competition and disadvantages. They have to this date to work against numerous obstacles, the chief amongst which is that imposed by foreign bankers who are very reluctant to accept the policies from Indian insurance companies in the matter of extending credits. They have still to secure the active support of the Indian business houses who will continue their transactions with foreign houses on the ground that they cannot give up their long standing connection. These disadvantages are only passing phases and with the gradual expansion of insurance business, for which scope in India is now unlimited by propaganda work, there is no doubt that Indian insurance companies will develop into a power in the land.

HISTORY OF INDIAN INSURANCE.

The history of the growth of insurance in India makes interesting reading. Provision for widows, left destitute after the death of their husbands, met the first consideration. The oldest of the existing Indian companies which were established nearly a century ago in Madras and the United Provinces were thus meant for the benefit of widows. Of them the only one now existing is the Bombay Widows' Pension Fund established in 1876 which seems to have been the first widows' fund to admit Hindus.

Life Assurance next attracted the attention. The first Indian Company to issue ordinary life assurance policies was The Madras Equitable. Being founded by Messrs Arbuthnot & Co., of Madras in the year 1829, this company worked successfully for many years and accumulated funds of about a quarter of a crore but went into liquidation shortly after the termination of the war owing to the heavy depreciation of its investment at that time and to the decrease in its income on account of its having stopped the issue of new policies a few years previously. By the disappearance of this old mutual company the Bombay Mutual, which was founded in 1871, is now the oldest Indian mutual life assurance company.

The Oriental of Bombay, which was founded in 1874 is the oldest Indian proprietary company transacting ordinary life assurance

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before India can have a network of joint stock banks adequately covering the country.

ISSUE DEPARTMENT.

| Liabilities | Rs | Assets | Rs |
|--------------------------------------|------------|---|------------|
| Notes held in the Banking Department | 29,32,57 | A. Gold Coin and Bullion— | |
| Notes in Circulation: | | (a) Held in India | 41,54,53 |
| (a) Legal Tender in India | 1,80,60,40 | (b) Held outside India | 2,86,98 |
| (b) Legal Tender in Burma only | 4,76,57 | Sterling securities | 80,30,70 |
| | | Total of A | 1,24,72,21 |
| | | B. Rupee Coin | 62,56,45 |
| | | Government of India | |
| | | Rupee securities | 27,40,97 |
| | | Internal Bills of Exchange and Other Commercial Paper | — |
| Total Liabilities | 2,14,69,63 | Total Assets | 2,14,69,63 |

BANKING DEPARTMENT.

| Liabilities | Rs | Assets | Rs |
|-------------------|----------|--|----------|
| Capital paid up | 5,00,00 | Notes | |
| Reserve Fund | 5,00,00 | (a) Legal Tender in India | 29,31,51 |
| Deposits — | | (b) Legal Tender in Burma only | 1,06 |
| (a) Government | 9,76,31 | Rupee Coin | 4,69 |
| (b) Banks | 20,16,38 | Subsidiary Coin | 3,80 |
| (c) Others | 1,26,43 | Bills discounted — | |
| Bills Payable | 11,66 | (a) Internal | |
| Other Liabilities | 98,93 | (b) External | |
| | | (c) Government of India Treasury Bills | |
| | | Balances held abroad | 3,63,77 |
| | | Loans and Advance to the Government | 2,00,00 |
| | | Other loans and advances | 2,00 |
| | | Investments | 6,24,08 |
| | | Other Assets | 98,80 |
| Total | 42,29,71 | Total | 42,29,71 |

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The majority of the non-Indian companies carries on insurance business other than life. Out of the total number of 147 non-Indian companies, 123 carry on insurance business other than life, 11 carry on life business only and 13 carry on life business along with other insurance business.

Of the latter 24 companies 16 are constituted in the United Kingdom, 6 in the British Dominions and Colonies and 1 each in Germany and Switzerland.

The companies are incorporated in all parts of the world, 69 being registered in the United Kingdom, 29 in the British Dominions and Colonies, 19 in the Continent of Europe, 16 in the United States of America, 9 in Japan and 5 in Java.

The table showing the proportion of Indian and non-Indian companies follows:—

| | Indian Companies | Non-Indian Companies. | Total |
|------|---------------------|--------------------------|-------|
| 1928 | 97 | 148 | 245 |
| 1929 | 108 | 149 | 257 |
| 1930 | 130 | 147 | 277 |
| 1931 | 136 | 146 | 282 |
| 1932 | 169 | 150 | 319 |
| 1933 | 194 | 147 | 341 |
| 1934 | 217 | 149 | 366 |
| 1935 | 234 | 147 | 381 |

LIFE ASSURANCE BUSINESS

Life assurance companies, of course, have been established in this country for quite a long time. Following the world progress in the insurance business, the development of the life insurance companies during the last few years in India has been remarkable. The following table shows the new business effected by Indian companies since 1920 in each year and their total business in force at the end of 1935.

| Year | New Business Effected | Total Business In Force. |
|------|--------------------------|-----------------------------|
| | (Figures in rupees) | |
| 1920 | 5,17 lakhs | 31 crores |
| 1921 | 5,47 " | 34 " |
| 1922 | 5,64 " | 37 " |
| 1923 | 5,85 " | 39 " |
| 1924 | 6,89 " | 42 " |
| 1925 | 8,15 " | 47 " |
| 1926 | 10,35 " | 53 " |
| 1927 | 12,77 " | 60 " |
| 1928 | 15,41 " | 71 " |
| 1929 | 17,29 " | 82 " |
| 1930 | 16,50 " | 89 " |
| 1931 | 17,76 " | 98 " |
| 1932 | 19,66 " | 1,06 " |
| 1933 | 24,83 " | 1,19 " |
| 1934 | 28,92 " | 1,37 " |
| 1935 | 32,82 " | 1,52 " |

The above table will show that Indian insurance has made phenomenal progress during the last 15 years. At the end of 1920 the total business of the Indian companies remaining in force amounted to only Rs 31 crores, of which new business written during that year was only Rs 5,17 lakhs. At the end of 1935, the total business remaining in force of the Indian companies amounted to no less than Rs 146

All particulars about making and recharging batteries are available in Manufacture of Batteries. Industry Book Dept., Calcutta. Price Re. 1/8.

business and has accumulated funds exceeding 15 crores. The next three oldest are the Indian Life of Karachi, the Empire of India of Bombay and the Bharat of Lahore which were established between 1892 and 1897. In Madras the oldest proprietary company is the United India which was established in 1906 and which had the advantage of following the lead of the Madras Equitable and other economically managed Southern Indian mutual concerns in much the same way as many of the companies in Western India profited by the excellent lead of the Oriental. In Bengal proprietary companies were first started in 1906 during the days of Swadeshi Movement. Several of the companies established in that Presidency at about that period succumbed to the temptation to pay too heavily for new business or adopted other unsound methods of conducting their affairs with the inevitable result that nearly half of them had to go into liquidation in a few years of their existence.

"During the period of the Great War, there was only an addition of four Indian Insurance Companies, and in the post-war period from the year 1918 to 1924 there was a further addition of five Indian Life Assurance Companies. But from the year 1926 onwards there has been a steady increase of new Life Insurance Companies with the result that whereas at the end of 1926 there were 51 Indian Life Assurance Companies with a combined premium income of nearly Rs 253 lakhs, there were as many as 194 companies in 1934, of which 145 were doing life insurance business with a combined premium income of over Rs 600 lakhs. No progress of any substantial character was, however, made in the case of other classes of Insurance.

It is refreshing that the companies that survived profited by the hard won experiences of their less fortunate rivals that were forced to leave the field. They have considerably remodelled their institutions and there are now not a few Indian insurance companies which are as much efficiently and scientifically managed as the best European or Colonial ones.

INSURANCE BUSINESS IN INDIA.

It appears from the Insurance Year Book for the year 1936 that 20 Indian companies were established during the year 1935 with the object of transacting life assurance business. Of these new companies, 5 were established in the Bombay Presidency, 7 in Bengal, 2 each in Madras and the United Provinces, and 1 each in the Punjab, Assam, Burma and Delhi. During the last five years the number of new life assurance companies formed in India is approximately 100. During recent years 15 companies have gone into liquidation mainly on account of failure to secure adequate business.

The number of companies which come during 1935 under the provisions of the Indian Life Assurance Companies Act of 1912 and the Indian Insurance Companies Act of 1928 are 381. Of them 284 companies are constituted in India and 147 companies are constituted outside India.

Most of the Indian Companies carry on life assurance only. As many as 186 of Indian companies, carry on life assurance business only, and of the remaining 48 Indian companies, 29 carry on life business along with other insurance business and 19 carry on insurance business other than life. The companies are distributed all over India. Of the 284 Indian companies 36 are established in the Bombay Presidency, 48 in Bengal, 40 in Madras Presidency, 30 in Punjab, 11 in Sind, 10 in Delhi, 12 in the United Provinces, 4 in Bihar, 5 in the Central Provinces, 3 in Ajmer-Merwara, and 2 each in Burma and Assam and one in North-West Frontier Province.

Full particulars about making and recharging batteries are available in *Manufacture of Batteries*. Industry Book Dept., Calcutta. Price Re. 1/8.

The life assurance funds increased by over Rs. 3½ crores during 1935 and amounted to Rs. 35 crores at the end of that year. The average rate of interest earned on life funds during 1935 was nearly 5 per cent.

The net rates of interest realised by the Indian life office in each of the past 14 years are as follows:—

| | | | |
|------|-----------|------|-----------|
| 1922 | 5.96 p.c. | 1929 | 5.49 p.c. |
| 1923 | 6.26 p.c. | 1930 | 5.44 p.c. |
| 1924 | 5.93 p.c. | 1931 | 5.42 p.c. |
| 1925 | 5.70 p.c. | 1932 | 5.38 p.c. |
| 1926 | 5.70 p.c. | 1933 | 5.17 p.c. |
| 1927 | 5.56 p.c. | 1934 | 5.08 p.c. |
| 1928 | 5.35 p.c. | 1935 | 4.93 p.c. |

The total deposit made by Indian Life offices up to 31st December 1936 amounted to Government securities of the face value of Rs 173,82,000

ANNUITY BUSINESS.

A striking feature of the Indian companies is the almost negligible amount of business done by them under annuity contracts, while in the case of non-Indian companies annuity contracts constitute an appreciable portion of their total life assurance business. Even the small amount of annuity business the Indian companies were getting in the past is gradually decreasing. Evidently annuity contracts have not yet found favour with Indians in general.

The total new annuity business effected during the year 1935 was for the amount of 3½ lakhs per annum of which the share of Indian Companies was 29,000 and of non-Indian companies 291,000. The total annuity business remaining in force at the end of that year was for the amount of 9½ lakhs per annum, of which the amount payable by Indian companies was Rs 1½ lakh per annum.

LIFE BUSINESS OUTSIDE INDIA BY INDIAN COMPANIES.

Some Indian life offices it may be noted, have extended their operations in British East Africa, Ceylon and Straits Settlements. The total new sums assured by these offices outside India during 1935 amounted to Rs 1½ crore as against Rs. 94 lakhs issued in the preceding year. The premium income during 1935 was Rs. 7½ lakhs. The total life assurance business including reversionary bonus additions effected outside India and remaining in force at the end of 1935 amounted to Rs 5½ crores having a premium income of 29 lakhs.

FIRE, MARINE AND MISCELLANEOUS INSURANCE BUSINESS.

The insurance business other than life was until 1919 left entirely to non-Indian companies but the advent of half a dozen Indian companies was responsible for diverting a small portion of this business to the latter. The number of Indian companies has since then increased to 13 but still the major part of the business lies in the hands of the non-Indian companies as will be amply exhibited by the following table:—

| Indian Companies. | Fire. | Premium Income. | | Total. |
|-------------------|-------|----------------------|---------------|--------|
| | | Marine | Miscellaneous | |
| | | (in lakhs of rupees) | | |
| 1930 | 25 | 10 | 26 | 61 |
| 1931 | 28 | 7 | 24 | 59 |
| 1932 | 28½ | 7½ | 28 | 64 |
| 1933 | 30½ | 6½ | 33½ | 71 |
| 1934 | 29½ | 7½ | 17 | 54 |
| 1935 | 31 | 9 | 19 | 59 |

Principles of construction of storage batteries and their care are dealt in Manufacture of Batteries. Industry Book Dept., Calcutta. Re. 1/8.

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crores of which Rs 31,50,000, represented new business written during the year.

The total new life assurance business effected in India by the Indian and non-Indian companies in the year 1932, 1933, 1934 and 1935 and that remaining in force at the end of the year 1932, 1933 1934 and are shown separately in the table —

| NEW BUSINESS. | | | | |
|--|---------|---------|---------|---------|
| | 1932 | 1933 | 1934 | 1935 |
| Indian Companies. | | | | |
| No. of Policies | 113,000 | 155,000 | 183,000 | 205,000 |
| New Sums Assured (in lakhs of rupees) | 19,66 | 24,09 | 28,00 | 31,50 |
| Premium Income (in lakhs of rupees) | 1,06 | 1,25 | 1,50 | 1,60 |
| Non-Indian Companies | | | | |
| No. of Policies | 26,000 | 28,463 | 32,000 | 34,000 |
| New Sums Assured (in lakhs of rupees) | 8,00 | 8,90 | 10,00 | 11,70 |
| Premium Income (in lakhs of rupees) | 46 | 49 | 50 | 65 |
| Total | | | | |
| No. of Policies | 139,000 | 183,000 | 215,000 | 239,000 |
| New Sums Assured (in lakhs of rupees) | 27,66 | 32,99 | 38,00 | 43,20 |
| Premium Income (in lakhs of rupees) | 1,50 | 1,74 | 2,00 | 2,25 |

TOTAL BUSINESS IN FORCE.

| | 1932 | 1933 | 1934 | 1935 |
|---|---------|---------|---------|-----------|
| Indian Companies. | | | | |
| No. of Policies | 554,000 | 636,000 | 742,000 | 836,000 |
| New Sums Assured (in crores of rupees) | 1,02 | 1,14 | 1,33 | 1,46 |
| Premium Income (in lakhs of rupees) | 4,75 | 5,30 | 6,00 | 7,00 |
| Non-Indian Companies | | | | |
| No. of Policies | 220,000 | 231,000 | 245,000 | 259,000 |
| New Sums Assured (in crores of rupees) | 76 | 79 | 83 | 89 |
| Premium Income (in lakhs of rupees) | 4,25 | 4,33 | 4,50 | 5,00 |
| Total | | | | |
| No. of Policies | 774,000 | 867,000 | 987,000 | 1,095,000 |
| Total Sums Assured (in crores of rupees) | 1,78 | 1,93 | 2,15 | 2,35 |
| Premium Income (in lakhs of rupees) | 9,00 | 9,63 | 10,50 | 12,00 |

The net income of the Indian companies under their life assurance business from premium and interests amounted to Rs 933 lakhs in 1935 as against Rs 834 lakhs in 1934, Rs 815 lakhs in 1933, Rs 6,88 lakhs in 1932, Rs 5,87 lakhs in 1931 and Rs 5,40 lakhs in 1930. This was an excess of about 1 crore over the corresponding income of the previous year.

The share of the British companies in respect of the new sums assured during 1935 was $4\frac{1}{2}$ crores, of the Dominion and Colonial companies 6½ crores, and of the single German company Rs 3 crore.

The average sum assured under the new policies issued by Indian companies is Rs 1,541 and under those by non-Indian companies Rs 3,418.

Principles of construction of storage batteries and their care are dealt in *Manufacture of Batteries*. Industry Book Dept., Calcutta. Re. 1/8.

Some Indian companies transact life assurance business on the dividing plan under which the sum assured is not fixed but depends on the division of a portion of each year's premium income amongst the claims arising in that year. The defects of dividing insurance business have been explained at length in the previous issues of the Year Book and hardly need repetition. Most of the companies which transacted dividing insurance business realised that they could not continue this business for a long time. It is accordingly highly essential that those companies which still transact this class of business should stop it forthwith and consult actuaries with a view to converting their existing business into ordinary life assurance business on sound principles. (Insurance business on the dividing principle is prohibited under the new Insurance Bill.)

ASSETS OF THE INSURANCE COMPANIES.

The assets of the Indian companies are provided by the following table:—

The total assets of Indian companies amount to Rs 44½ crores. The bulk of the assets is invested in stock exchange securities which are shown in the accounts at a nett value of Rs 30½ crores. Mortgages, loans on policies and on stocks and shares are shown at Rs 6½ crores, land and house property are valued at Rs. 2½ crores; deposits, cash and stamps are shown at Rs. 2 crores; agents' balances and other outstanding items at Rs 2½ crore; and loans on personal security and other miscellaneous assets at Rs 1½ crore. Investments of Indian companies outside India consist mainly of stock exchange securities and amount to over half a crore.

The total assets in India of non-Indian companies amount to Rs 48 crores. The bulk of this amount—Rs 39 crores—represents the Indian assets of companies constituted in the United Kingdom and Rs. 8½ crores those of companies constituted in the Dominions and Colonies. The Indian assets of the American companies amount to Rs 1 lakh, those of the Continental companies to Rs. 22 lakhs, of the Japanese to Rs 7 lakhs and of the Javanese to Rs 1,000. Out of this total amount of Rs 48 crores, Rs 43 crores represent Indian assets of companies which carry on life assurance business in India either solely or along with other insurance business.

PROVIDENT INSURANCE SOCIETIES.

In addition to the insurance companies which are subjected to the provisions of the two Acts of 1912 and 1928, there were in 1931, 369 societies which are registered under the Provident Insurance Societies Act, 1912 and transact mostly life assurance business. During 1929 there were only 69 societies.

The essential difference between a life assurance company and a provident insurance society is that the company is subject to the Life Act and not to the Provident Societies Act if, under assurances payable at death or on survival of any one life, it undertakes either to pay sums which in aggregate exceed Rs 500 or to receive premiums which in the aggregate exceed Rs 25 in any one year where the period for which premiums are payable is not limited, or which exceed Rs 250 altogether where such period is limited. If, as may happen in the case of a dividing society, the sum assured payable at death is not fixed but may in certain contingencies exceed Rs 500 the society is subject to Life Assurance Companies Act.

POST OFFICE INSURANCE FUND.

This fund was instituted by the Government of India in 1883 for the benefit of postal employees, but gradually admission to it has been

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| | Fire. | Premium Income Marine. Miscellaneous (in lakhs of rupees) | | Total |
|------------------------------|-------|---|-----|-------|
| Non-Indian Companies. | | | | |
| 1930 | 1,20 | 41 | 62 | 2,23 |
| 1931 | 1,00 | 36 | 53 | 1,89 |
| 1932 | 97½ | 36½ | 47½ | 1,81½ |
| 1933 | 97½ | 35 | 46½ | 1,79½ |
| 1934 | 105½ | 37 | 50½ | 1,93 |
| 1935 | 1,11 | 37 | 55 | 2,03 |
| Total. | | | | |
| 1930 | 1,46 | 51 | 87 | 2,84 |
| 1931 | 1,28 | 43 | 77 | 2,48 |
| 1932 | 1,26 | 44 | 75½ | 2,45½ |
| 1933 | 1,28 | 42 | 80½ | 2,50½ |
| 1934 | 1,35 | 44 | 68 | 2,47 |
| 1935 | 1,42 | 46 | 74 | 2,62 |

The Indian companies which transact a substantial amount of fire or marine business also operate outside India. These companies had a nett premium income of 84 lakhs of rupees in 1935 from business outside India.

The distribution of premium income earned by the non-Indian companies during 1935 is shown in the following table.—

| Companies constituted in | Fire. | Marine | Miscellaneous (in 1,000 rupees). | Total |
|-----------------------------|---------|--------|-------------------------------------|---------|
| U K — | 76,21 | 13,05 | 48,66 | 137,92 |
| Dominions & Colonies — | 16,56 | 20,15 | 6,34 | 43,05 |
| U S. A — | 10,41 | 1,83 | — | 12,24 |
| Continent of Europe — | 6,08 | 1,64 | 37 | 8,09 |
| Japan — | 73 | 63 | 12 | 1,48 |
| Java — | 54 | 27 | 4 | 85 |
| | 1,10,53 | 37,57 | 55,53 | 2,03,63 |

The figures speak eloquently that the field before the Indian companies in insurance business other than life must be enormous.

TOTAL INSURANCE PREMIUM.

The net Indian premium income under all classes of insurance amounted to 14 crores in 1934 as compared with Rs 13 crores in 1933. The share of the Indian companies in the total business during 1934 was 6½ crores and that of the non-Indian companies Rs 7 crores. The percentage of the share of the Indian companies reduces to 45 as against 55 of the non-Indian companies.

The following table compares the position of the Indian and non-Indian companies in life, fire, marine and miscellaneous insurance business.

| | Indian Companies | | | Non-Indian Companies | | | Total | | |
|------------------|---------------------|-------|------|-------------------------|-------|------|-------|-------|-------|
| | 1933 | 1934 | 1935 | 1933 | 1934 | 1935 | 1933 | 1934 | 1935 |
| Life | 5,80 | 16,00 | 6,00 | 4,33 | 4,50 | 5,00 | 9,63 | 10,50 | 12,00 |
| Fire | 30½ | 29½ | 31 | 35 | 1,05½ | 1,11 | 1,28 | 1,35 | 1,42 |
| Marine | 64 | 7½ | 9 | 35 | 37 | 37 | 42 | 44 | 46 |
| Miscellaneous | 33½ | 17 | 19 | 46½ | 50½ | 55 | 80½ | 68 | 74 |
| Total | 6,01 | 6,54 | 6,59 | 6,12 | 6,43 | 7,03 | 12,13 | 12,97 | 14,62 |
| Percentage share | 49.5 | 40.4 | 45 | 51.5 | 49.6 | 55 | 100 | 100 | 100 |

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valuation resulted in bonuses of Rs. 15/- and Rs. 10/- per thousand per year on whole life and endowment policies respectively

Bengal Co-operative Insurance Society, Ltd.—During the year ended 30th June, 1936, the Society received proposals for an aggregate amount of Rs. 4,08,100, and issued policies for Rs. 2,88,100, the annual premium thereon being Rs. 13,000. The total premium income was Rs. 28,143, assets of the Society at the end of the year were Rs. 92,380.

Bengal Insurance and Real Property Ltd.—During 1936, new business amounted to Rs. 10,14,250 in 860 policies. Total premium income Rs. 1,17,777; expense ratio 55 p c. Life fund Rs. 55,00,347.

Bhagyalakshmi Insurance Co., Ltd.—For the year ending 31st March 1937, Proposals received were for Rs. 12,93,000, policies issued Rs. 10,05,250, premium income Rs. 78,942, expense Ratio 65 4%, Life Fund Rs. 34,585, Claims Rs. 3,500

Bharat Insurance Co. Ltd.—New business during 1937 exceeded Rs. 2 crores. During 1936 total number of policies in force was 27,149 assuring Rs. 4,86,39,392; total premium income Rs. 21,85,877, claims, etc., paid Rs. 13,79,655; expense of management 28 7%, life fund Rs. 1,76,08,703

Bombay Co-operative Insurance Society Ltd.—During the year ending June 1937 new business amounted to Rs. 9,81,500. Total business in force Rs. 35,25,107 with a premium income of Rs. 1,95,149. Expense ratio 45 p c. Life fund Rs. 2,46,327.

Bombay Mutual Life Assurance Society Ltd.—During 1936, new policies worth Rs. 2,01,46,000 were issued. Total business in force Rs. 7,03,12,000 with premium income of Rs. 36,54,000. Life fund Rs. 75,98,000. Expense ratio 35 5 p c.

Commonwealth Assurance Co. Ltd.—During year ended 30th April, 1937 new business amounted to Rs. 32,23,750. Total premium income Rs. 5,09,231. Expense ratio 41 6 %. Total life assurance fund Rs. 8,08,478.

Concord of India Insurance Co., Ltd.—Result of working during 1936—Fire Dept. New premiums Rs. 3,25,874; claims paid and outstanding Rs. 55,928, Fire insurance fund Rs. 2,44,406, expenses of management, Rs. 1,88,767. Marine Dept.—Net premiums Rs. 31,234; claims paid and outstanding Rs. 41,193 representing a loss ratio of 45 44 per cent. Accident Dept.—Net premiums Rs. 89,220 and claims paid and outstanding Rs. 71,684, representing a loss ratio of 80 35 per cent. Expenses of management, Rs. 34,858.

Dawn of India Insurance Co.—During 1936-37 the total number of proposals received were 726 in number amounting to Rs. 2,31,200 in all; 720 resulted into policies valued at Rs. 2,21,700. Life fund Rs. 64,742

East India Insurance Co., Ltd.—During year ended 30th June, 1937, new business amounted to Rs. 4,65,000; total premium income Rs. 47,858. Expenses of management Rs. 26,060

Empire of India Life Assurance Co., Ltd.—During the year ended 28th February, 1937 the Company received 14,780 proposals for Rs. 2,41,20,700 and issued 11,915 policies for assurances of Rs. 1,86,69,361. Expense ratio 24 9 p c., total premium income Rs. 58,03,467, income from interests Rs. 21,44,103, claims by death and by maturity were respectively Rs. 11,51,000 and Rs. 25,14,000, expenses of management absorbed Rs. 14,47,023, Life Assurance Fund Rs. 4,32,55,507, total assets Rs. 4,87,27,134. The bulk of the funds are invested in gilt-edged securities and terminable loans repayable at par at fixed rates.

Forward Assurance Co., Ltd.—During 1936, 183 policies assuring Rs. 1,70,750 were issued.

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thrown open to almost all classes of Government servants who are employed on civil duties. The Fund is exempted from the provisions of the Life Act.

The position of the Fund is explained by the following figures —

| | 1933 | 1934 | 1935 | 1936 |
|--------------------------------|----------|----------------------|----------|----------|
| New Policies effected | — 4,215 | 5,292 | 4,835 | 5,489 |
| Total No of policies | — 84,726 | 87,494 | 89,522 | 92,098 |
| Total new premium income is Rs | — | 4,93,000 | 4,93,000 | 5,74,000 |
| | | (in lakhs of rupees) | | |
| New sums assured | — 81 | 106 | 104 | 119 |
| Total sum assured and bonuses | — 1,624 | 1,736 | 1,789 | 1,857 |
| Total Income | — 84 | 88 | 93 | 97 |
| Life Assurance Fund | — 5.39 | 5.94 | 6.41 | 6.93 |

The last valuation of the fund was made upto March 31, 1932. It disclosed a surplus of Rs 74 lakhs of which Rs 47½ lakhs were allocated to the policy holders for payment of reversionary bonus at the rate of 1½ per cent per annum in the case of whole life as well as endowment assurances.

INSURANCE BILL.

Discussions on the bill for amending the existing insurance law in India, introduced last year in the Legislative Assembly continued during the year 1937-38. The salient features of the Bill as amended in the Legislative Assembly and Council of State have been given on page 125. The Bill was again presented for discussion before the Legislative Assembly in the early part of February when the following amendments were further accepted. The first extends to all forms of insurance the obligation to file, together with the application, the published prospectus, standard policy forms and assured rates, etc., another extends the provision of Clause 45 to a policy effected before the commencement of the Act and the third provides that every rule made under the Act should be laid before the Central Legislature for one month while it is in session.

There is at present no legislation exclusively applicable to insurance companies carrying on business in Mysore, and they are governed by the provisions of the Mysore Companies Act. The control of the insurance business under the law relating to ordinary companies being admittedly unsatisfactory, a bill has been drafted to protect the interests of the insuring public. In framing the Bill the British Indian enactment has been followed not merely in its general principles but in its detailed arrangement and expression, wherever possible, as it is considered a matter of importance to have the law in Mysore as uniform as possible with the British Indian law, except where local circumstances demand a modification in substance. The Bill includes in one enactment both the insurance business and provident insurance societies, the latter being dealt with in a separate part.

RECENT BUSINESS FIGURES.

All-India United Assurance Co. Ltd.—During 1936 new business done Rs 19,11,750. Net premium income Rs 1,19,477. Expenses of management Rs 1,17,285. Life fund Rs 6,722.

Aryasthan Insurance Co. Ltd.—Premium income amounted to Rs. 60,000 during 1936-37. Life fund Rs 26,439. Expense ratio 64 p c.

Asiatic Government Security Life Co., Ltd.—During 1936 number of Policies in force 6,370, Total business in force Rs 73,15,000. Annual premium income Rs 3,66,000. Life Assurance Fund Rs 3,38,000. The

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Industrial branch the Company received 21 proposals out of which 14 resulted in policies assuring Rs 3,500. The total number of policies in force was 20,228 assuring Rs 4,20,64,849 out of which Rs 10,64,581 were re-assured with other Companies. The income from premiums and interest respectively were Rs. 21,69,960 and Rs 3,16,374, the other receipts being Rs. 9,193. Claims by death and maturity amounted to Rs. 5,77,350 and the expenses of management absorbed Rs 6,40,392 Life Assurance Fund Rs 74,98,833. The total assets Rs 83,39,465 out of which Rs 71,45,999 comprised investments in gilt-edged securities

Jupiter General Insurance Co., Ltd.—Report for the twelve months ended 30th. June, 1937 —Fire Department—Net premium, Rs. 12,81,650 and the losses (claims paid and outstanding), Rs 4,42,284, i.e. at 34.51 per cent of the premium income. The expenses of management, to 60.48 per cent. Fire fund Rs. 9,00,000. Marine Department—Net premium, Rs. 1,81,909. Claims admitted etc. Rs 1,24,157, which is 68.25 per cent of the premium income. The expenses of management etc 52.86 per cent of the premium income. Accident Department—Premium income Rs. 1,85,726, losses (claims paid and outstanding) Rs. 96,806, expenses of management, 48.94 per cent. of the premium income. Accident fund Rs 1,20,000. Life Department—1,059 proposals were received for assuring Rs 19,93,500. 887 resulted into policies, assuring Rs 16,90,250 with premium income of Rs 2,37,684. Claims by death and maturity Rs 43,665 (including bonuses), total claims paid Rs. 37,726, total premium income Rs. 6,45,647. Claims, commissions, expenses of management, surrender, etc., absorbed a sum of Rs. 2,24,940. The life fund amounted to Rs 12,78,155

Lakshmi Insurance Co., Ltd.—During the year ended 30th April 1937 the company received 9,589 proposals worth Rs 1,84,43,650. 8,254 proposals assuring Rs 1,51,11,850 resulted into policies for which the annual premium amounted to Rs 7,70,826. Premium income Rs 28,52,222, interest, dividends, and rents, Rs 3,63,719; Life assurance fund Rs 85,84,655. Investments Government and State securities Rs 31,40,863, mortgages of property Rs 23,58,337, railway shares and Reserve Bank of India shares Rs 1,52,122, 192 claims for Rs. 3,80,683 accrued by death. Claims to the extent of Rs. 4,30,358 were paid leaving a balance of Rs. 1,23,261

Metropolitan Insurance Co. Ltd.—In 1936-37, new business amounted to Rs 72,86,000, total premium income Rs 7,13,000, life fund Rs. 7,00,888, expense ratio 53.1 per cent.

Nagpur Pioneer Insurance Co. Ltd.—During 1936 new business amounted to Rs 10,26,750, gross income Rs 1,72,231. Claims surrenders and bonus paid Rs 2,60,143, life fund Rs. 3,97,719.

National Insurance Co. Ltd.—During 1936, 7,916 policies were issued assuring Rs 1,75,21,576. Total life assurance business in force Rs. 11,30,52,721 with a total premium income of Rs. 49,35,491. Expense ratio 26.3 p.c. Life assurance fund Rs 2,74,70,983

Neptune Assurance Co.—For the year ended 31st. July, 1937, 5,658 proposals assuring a sum of Rs. 60,01,076 were received; 3,970 proposals resulted into policies for an aggregate amount of Rs 34,64,604. The average value of a policy comes to Rs 873. The total premium income Rs 3,63,841, new premium income Rs 1,55,117; management expenses Rs 1,85,281; expense ratio 47 per cent to total income by way of premium, Life fund Rs 3,74,248. During the year the Company has been able to place Rs 2,00,000 Government papers with the Reserve Bank.

New Asiatic Life Insurance Co., Ltd.—During 1936 the Company secured business of more than 42 lakhs out of which business of nearly

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General Assurance Society, Limited.—During 1936 the Company received 4014 proposals for assurances amounting to Rs 62,81,500 and issued 3269 policies assuring an aggregate amount of Rs 51,26,000, showing an increase of Rs 5,26,750. The annual premium on the new policies Rs 2,96,995, total premium income Rs 15,64,894, gross income Rs. 18,69,208, claims by death and maturity Rs. 3,65,797 and Rs 2,31,660 respectively, total outgo including expenses of management and commissions to agents amounted to Rs 13,28,674. The total assets Rs 81,03,531, of which Rs. 58,48,466 represented investments in gilt-edged securities.

Guardian of India Insurance Co., Ltd.—During 1936, the Company received 3,839 proposals for assurances for a total amount of Rs 46,67,875. 3004 proposals assuring an aggregate amount of Rs 36,53,875 resulted in policies, yielding an annual premium income of Rs 1,95,408. Total premium income was Rs. 2,36,767. Claims amounted to Rs. 13,458 whereas the expenses of management absorbed Rs 1,50,008. Life Assurance Fund of the Company Rs 75,258, total assets at the end of the year Rs 2,39,898, of which Rs. 1,01,089 represented the investments in gilt-edged securities and Rs. 40,216 represented cash deposited with different banks.

Hindusthan Co-operative Insurance Society.—During 1936-37, 17,647 policies were issued assuring about Rs 283 lakhs. Total number of policies in force 77,561 assuring Rs 12,85,41,924. The premium income for the year amounted to Rs 62,12,000, the corresponding figure of the previous year being Rs 52,41,000. The income from investment amounted to Rs 12,43,000. The claims by maturity amounted to Rs. 5,12,000 and a sum of Rs 1,48,000 was paid by way of bonus in respect of matured policies. Death claims during the year under review amounted to Rs 8,44,000. The expense ratio for the year has been 31.1 per cent. The total life fund stands at Rs 2,81,98,000 at the close of the year.

Hindusthan Mutual Insurance Co., Ltd.—During 1936 the Company received proposals for assurances of Rs 11,23,000 and issued policies for Rs 8,52,000, the actual premium receipts being Rs 35,800.

India Life Benefit Assurance Society Ltd.—During 1936, the company received in its Life Dept proposals for assurance of Rs 10,44,200 out of which Rs 7,07,800 resulted in policies. Total Revenue for the year from premiums, interest and other sources amounted to Rs 34,418 in the Life dept and Rs 1,60,827 in the Provident department. Expenses of management absorbed Rs. 22,367 and a sum of Rs 10,552 was added to the Life Assurance fund. In the provident department claims amounted to Rs 21,407 and surrenders to Rs 4,501. Expenses of management took only Rs 36,605 and the funds at the end of the year amounted to Rs 4,24,228.

Indian Life Assurance Co., Ltd.—For year ended 31st May, 1937 proposals were received for amounts aggregating Rs 14,40,875. 636 policies were issued for Rs 11,48,375, yielding an annual premium of Rs 59,442. The total amount assured was Rs 1,81,72,351 (including bonus additions) under 8,190 policies, yielding an annual premium of Rs 7,18,483. The amount paid in claims during the year was Rs 5,10,157 as under—By death Rs 1,73,890, by maturity Rs 3,16,810, by surrender Rs 19,957, total Rs 5,10,157. Expense ratio 16.8 per cent. The balance of the trust fund Rs 84,26,487. The major part of the company's assets consists of gilt-edged securities of the face value of Rs 1,02,80,500, with a market value of Rs 1,15,89,700.

Industrial & Prudential Assurance Co., Ltd.—During 1936, the Company received 5,621 proposals for total assurances of Rs 1,10,40,850 out of which 4916 resulted in policies assuring Rs 91,80,000. In the

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COTTON MILL INDUSTRY.

THE textile industry is the biggest manufacturing industry of India absorbing the largest Indian capital and is mostly worked under the management of Indians. From a small beginning the industry has expanded considerably against tremendous odds and severe foreign competition. At present there are 370 cotton mills equipped with 9,731,000 spindles and 197,810 looms giving employment to 417,000 men. The total paid up capital of the industry on the 31st August 1937 amounted to Rs 39.82 lakhs. During the year ended August 31, 1936 the total paid up capital was Rs 40.55 lakhs and that in Bombay City and Island was Rs. 13.20 lakhs. Besides, there are quite a large number of handlooms working in the Indian villages. It is estimated by experts that there are in India intermittently at work 50,000,000 spinning wheels and about 2,500,000 hand looms, the output of which contributes to more than 35 per cent. of the consumption of cloth in India.

GROWTH OF THE TEXTILE INDUSTRY.

The textile industry in India is of recent origin and is only a century old. The history of the cotton mill industry in India is one of slow growth in the infant stage which seems to have lasted for about half a century. The first cotton mill to start operation in India was the Bowreah Cotton Mills on the bank of the Hooghly river near Calcutta in 1817. It was conceived by the Englishmen and its successor is still in existence. In 1851 another mill was established by the English at Broach and in 1854 another was created at Bombay, with 20,000 spindles. The first Indian mill, however, was established in 1866 under the management of an enterprising Parsi gentleman named Mr. Cowasji Mannabhoj Davar. Since that time the progress of the cotton mills has been very rapid. Reliable figures relating to this industry are wanting until 1876 in which 29 mills with 1,000,000 spindles and 9,100 looms were reported to have existed in the whole of India. The following table gives a comprehensive idea of the growth of the cotton mills in India since 1866.—

| Year. | No. of Mills | Spindles | Looms. |
|-------|--------------|-----------|---------|
| 1866 | 13 | 309,000 | 3,400 |
| 1880 | 56 | 1,461,000 | 13,500 |
| 1899 | 156 | 4,046,100 | 36,600 |
| 1910 | 223 | 5,780,124 | 74,757 |
| 1920 | 253 | 6,763,000 | 119,000 |
| 1930 | 348 | 9,124,768 | 179,000 |
| 1931 | 340 | 9,500,000 | 186,000 |
| 1932 | 344 | 9,572,000 | 189,042 |
| 1933 | 352 | 9,613,000 | 194,988 |
| 1934 | 365 | 9,686,000 | 198,867 |
| 1935 | 379 | 9,857,000 | 200,062 |
| 1936 | 370 | 9,731,000 | 197,810 |

In the infant stage the cloth woven by the Indian mills was plain and coarse and made up usually of counts under 24s but the bulk of their production was not cloth yarn of the lower counts which was

LOTS OF USEFUL FORMULAE FOR HOME APPLICATION ARE INCLUDED IN DOMESTIC RECIPES. As. 4. Industry Book Dept.

Rs 31 lakhs were completed The premium income Rs. 2,42,262 Total funds Rs 30,123.

New India Assurance Co., Ltd.—Figures of working during 1935-36. Fire Department—Net premium income Rs 29 42 lakhs, net claims paid and outstanding Rs 13 54 lakhs; expenses of management 47·8 per cent of the premium income, Reserve for unexpired liability 115·9 per cent. of the premium income Marine department—The net premium income Rs 21 20 lakhs, net claims paid and outstanding Rs 17 13 lakhs; expenses of management little over 20 per cent of the premium income, Marine Insurance Fund Rs 25 88 lakhs, which is 122 per cent of the premium income Accident Department premium income Rs 9 3 lakhs against claims paid and outstanding Rs 4 2 lakhs and management expenses 35·3 per cent Combined reserves 97·6 per cent of the premium income Life Department 7180 policies issued for Rs 167 lakhs in addition to a Leasehold Redemption Assurance Policy for Rs 50,000. Total number of policies in force 26,341 for a sum of Rs 646 lakhs Total claims paid and outstanding Rs. 2 88 lakhs The ratio of expenses of management 33·9 per cent

Paid up capital Rs 71,21,055, Fire fund Rs 34,11,911, Marine Fund Rs 25,87,855, Accident fund Rs 9,14,944, Life assurance fund Rs 59,05,609

Oriental Govt. Security Life Co., Ltd.—During 1936 total new business amounted to 56,296 policies to the value of Rs 10,26,30,496 yielding annual premium income of Rs 57,90,880 The total number of policies in force at the end of the year was 3,27,310 assuring a sum of Rs 65,50,01,278 Total receipts during the year amounted to Rs 4,47,27,725, of which Rs 2,99,09,838 was derived from premiums alone Total claims Rs 1,19,44,000, expense Ratio 22·9 p c, Life Fund Rs 19,20,88,000

Popular Insurance Co., Ltd.—During 1936 the Company received proposals for total assurances of Rs 8,29,000 out of which proposals to the face value of Rs 7,14,500 resulted in policies The total revenue from premiums, interest and other sources amounted to Rs 71,612. Claims and surrenders amounted to Rs 5,080 and Rs 204 respectively. Expenses of management Rs 41,165 Life Assurance Fund Rs 87,901 Total assets Rs 1,21,769 and included Government securities of the face value of Rs. 1,00,000.

Tropical Insurance Co Ltd.—During 1936, new business amounted to Rs 37,99,980, total premium income Rs 2,74,902, expenses of management Rs 1,66,793 Life assurance fund Rs 6,04,530

Warden Insurance Company.—During 1936, 2,633 proposals for Rs 48,96,500 were secured, out of which 1,820 proposals assuring an amount of Rs 35,32,500 resulted into policies Premium income Rs 3,58,212 Expense ratio 69·35 per cent Life fund Rs 1,55,553

Zenith Life Assurance Co., Ltd.—During 1936, 2192 new proposals for sums assuring Rs 39,88,600 were received of which 1909 proposals for Rs 33,20,800 resulted into policies The total business in force at the end of the year was for Rs 1,15,21,352. The total income Rs 6,99,138 out of which premiums brought a sum of Rs 6,20,564, Interest on Investments, Loans etc, Rs 66,936 and Miscellaneous Income was Rs 12,636 Claims paid and outstanding by Death, Maturity, Surrenders and Annuities absorbed Rs 1,80,212. Management and other expenses Rs. 3,23,127. Life Assurance fund Rs 17,70,550

LOTS OF USEFUL FORMULAE FOR HOME APPLICATION ARE INCLUDED IN DOMESTIC RECIPES. As. 4. Industry Book Dept.

during the cotton years (from 1st September to 31st August) 1932-33, 1933-34, 1934-35, 1935-36 and 1936-37 follows —

| | 1932-33 | 1933-34 | 1934-35 | 1935-36 | 1936-37 |
|-------------------|--------------|--------------|--------------|--------------|--------------|
| Bombay Presidency | 1,116 | 1,064 | 1,231 | 1,189 | 1,129 |
| Bombay Island | 565 | 492 | 687 | 664 | 637 |
| Ahmedabad | 348 | 373 | 327 | 321 | 304 |
| Madras Presidency | 292 | 278 | 312 | 365 | 411 |
| United Provinces | 273 | 277 | 292 | 317 | 299 |
| C. P. & Berar | 111 | 113 | 125 | 130 | 123 |
| Bengal | 104 | 108 | 101 | 99 | 80 |
| Punjab & Delhi | 80 | 72 | 84 | 89 | 94 |
| Indian States | 351 | 390 | 428 | 449 | 460 |
| TOTAL | 2,361 | 2,336 | 2,612 | 2,668 | 2,625 |

The above table supplies a fair idea of the relative importance of the provinces as manufacturers of cotton goods.

SEAT OF THE INDUSTRY.

Since the middle of last century Bombay on account of its excellent shipping and railway facilities and business enterprise has dominated the cotton industry. It has been for many years the real seat of the cotton industry in India and still produces the greater part of the cotton goods. But an important tendency of the present day is the migration of the Indian mill industry to other centres of India. As a result of this, cotton mills are being erected at Ahmedabad, Lahore, Delhi, Baroda, etc., where they are close to the sources of supply of the raw material and to the up-country consuming markets and are also protected against foreign competition by the long railway lead from the ports. As matters now stand Ahmedabad has come to occupy the second place so far as textile manufacture is concerned. Other centres in the Bombay Presidency include Sholapur, Surat, Broach and Jalgaon. The other mills are distributed over many provinces and towns. The most important among them are Madras, Madura and Coimbatore in the Madras Presidency, Nagpur in the Central Province, Cawnpore in the United Provinces and the vicinity of Calcutta. The number of mills in Bombay City and Island is 69; in Ahmedabad 81; in Bombay Presidency excluding Ahmedabad and Bombay City 60; in the United Provinces 25; in Bengal 26, and in Madras Presidency 47. There has recently been a tendency for the industry to push into the smaller towns in the cotton growing tracts.

The number of spindles and looms in operation during the year ending 31st August, 1937 as compared with those during the preceding year follows.—

| | Spindles | | | Looms | | |
|-------------------|--------------------|-------|-------|---------------------|------|------|
| | 1935 | 1936 | 1937 | 1935 | 1936 | 1937 |
| | (figures in 1,000) | | | (figures in 1,000). | | |
| Bombay Island | 29,90 | 29,85 | 28,90 | 68 | 68 | 67 |
| Ahmedabad | 20,20 | 20,42 | 19,76 | 50 | 51 | 49 |
| U. P. | 7,10 | 7,35 | 7,41 | 10 | 11 | 11 |
| Madras Presidency | 9,76 | 10,91 | 11,51 | 6 | 6 | 6 |
| C. P. | 3,18 | 3,21 | 3,23 | 5,7 | 5,7 | 5,7 |
| C I | 3,56 | 3,68 | 3,70 | 9,5 | 9,7 | 10 |
| Bengal | 3,33 | 3,34 | 3,53 | 7,7 | 7,8 | 8,5 |
| Punjab | 89 | 88 | 94 | 14 | — | — |
| Ahmedabad | 1,26 | 1,24 | 1,25 | 21 | 21 | 21 |

A comparative table of the production of cotton twist and yarn, grey and bleached and coloured piecegoods for the years 1932-33 to 1936-37 follows.—

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consumed in India or exported to the Far East, where India held practically a monopoly of supply. The industry struggled to establish itself in the face of powerful competition from Lancashire and without any protection from the Indian Government. In fact, if it were not for the capacity and perseverance of its pioneers together with the facility of home grown cotton, it is very doubtful if the industry could have survived at all.

Early in this century, however, the mills began to realise that, unless they extended their weaving section, there was little profit in spinning owing to the competition of Japan in the Eastern markets and the establishment of cotton spinning and weaving factories in those centres. Consequently, most of the Indian mills increased their looms and adopted the policy of producing more cloth than yarn. This change is visible in the actual production of cloth which increased almost threefold between the years 1900 and 1915. The Swaraj movement also lent an impetus to the industry by creating increased demand for cloth and piecegoods made in India.

MODERN DEVELOPMENT.

Besides an increase in the output of cloth, there have been other developments in the industry since the beginning of the century. Apart from plain coarse cloths which are still largely woven by the Indian mills the weaving of the higher counts up to 60s with fancy and check patterns have been introduced in the Indian mills. Large available supply of long staple cotton in India as a result of improvements in the Indian varieties of cotton renders the manufacture of finer fabrics on an extended scale possible. There is also an increasing tendency to import long-staple cotton from abroad for spinning into fine yarns, to replace the importation of foreign yarns. Then, bleaching, dyeing and printing are now included among the operations of many of the mills. Also to improve the finish of cloth, calendaring machines have been brought into use in several factories. The result of these developments is that much of the cloth now woven in India is finer, better and cleaner in appearance than in former years. Indian manufacturers have succeeded so well with some of the accomplishments of this industry that sixty per cent of the weaving in Bombay at present is reported to be in fancy cloths of attractive design and finish. The mills there are now generally equipped with up-to-date looms, plant and machinery worked by electric power which crowns the progress on the mechanical side. In the olden days Lancashire was supposed to be eminently suited to cotton spinning and weaving owing to the natural humidity of its climate. Now the mechanical devices known as "the humidifier" has robbed the seat of the world's cotton manufacture of much of this advantage, for wherever the atmosphere happens to be dry in India humidifiers moisten the air inside the cotton mills.

CONSUMPTION OF COTTON.

The activity of the industry is reflected in the figure of cotton consumed. The consumption of raw cotton by the cotton mills in India during the year ending 31st August, 1937 amounted to 1,573,000 bales. The consumption of Indian cotton in the Indian mills did not show any improvement owing to greater use of imported cotton. This is also due to the fact that the Indian mills are now better equipped to manufacture yarns of finer counts. The Indian crop of 1936-37 was estimated at 6,307,000 bales as against 5,679,000 bales during the previous year. The consumption of cotton in the various provinces of India

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Coloured Goods.

| | 1934-35 | 1935-36 | 1936-37 | 1934-35 | 1935-36 | 1936-37 |
|-------------------|------------------|----------------|----------------|------------------|----------------|----------------|
| | (in 1,000 lbs.). | | | (in 1,000 yds.). | | |
| Ahmedabad | 52,817 | 47,480 | 48,776 | 325,989 | 298,974 | 310,900 |
| Bombay Island | 40,198 | 47,967 | 44,955 | 195,156 | 240,967 | 218,491 |
| Bombay Presidency | 105,030 | 108,408 | 107,346 | 582,522 | 605,684 | 598,208 |
| Madras | 11,587 | 10,232 | 10,386 | 36,835 | 34,137 | 34,947 |
| Bengal | 605 | 412 | 584 | 3,132 | 2,125 | 2,944 |
| U. P. | 2,173 | 2,320 | 2,562 | 9,150 | 9,704 | 10,000 |
| Ajmer-Merwara | 212 | 201 | 149 | 1,339 | 1,186 | 860 |
| Punjab | 8 | 52 | 349 | 40 | 258 | 1,579 |
| Delhi | 1,864 | 1,996 | 2,551 | 9,036 | 9,694 | 12,680 |
| C. P. | 3,137 | 3,475 | 3,315 | 11,134 | 12,660 | 11,608 |
| Indian States | 22,838 | 25,752 | 27,368 | 102,587 | 122,368 | 137,250 |
| TOTAL | 147,466 | 152,873 | 154,663 | 755,802 | 797,879 | 810,222 |

In this connection an enumeration of spindles and looms in the principal spinning and weaving countries will be of interest:—

| | Spindles | | | Looms. | | |
|----------------|---------------------|--------|--------|---------------------|------|------|
| | 1934 | 1935 | 1936 | 1934 | 1935 | 1936 |
| | (figures in 1,000). | | | (figures in 1,000). | | |
| U. K. | 47,183 | 45,057 | 42,642 | 560 | 517 | 500 |
| U. S. A. | 30,829 | 29,717 | 28,599 | 609 | 601 | 575 |
| Germany | 9,900 | 9,900 | 9,900 | 225 | 225 | 225 |
| India | 9,572 | 9,613 | 9,686 | 189 | 195 | 199 |
| Japan | 8,644 | 9,531 | 10,649 | 86 | 91 | 96 |
| China | 4,905 | 5,172 | 5,172 | 43 | 43 | 43 |
| Czechoslovakia | 3,574 | 3,625 | 3,611 | 105 | 105 | 105 |
| France | 10,157 | 10,016 | 9,932 | 198 | 196 | 192 |
| Russia | 9,500 | 9,700 | 9,700 | 259 | 267 | 267 |
| Italy | 5,400 | 9,531 | 5,475 | 148 | 148 | 148 |

YARN OUTPUT.

When the cotton mills sprung into existence in India, their endeavours mostly centred on the spinning operations and the output of the spindles was produced more for export than for internal use. The threads were rough and of counts below 24s. But on the tightening of the Far Eastern markets the prospects of Indian yarns in those markets were anything but rosy. Consequently in recent years the tendency of Indian cotton mills in regard to the lower range of goods (from 1s. to 20s counts) has been to spin more of finer yarns. While in pre-war years the percentage of yarns of counts above 40 formed about $\frac{1}{2}$ per cent. of the total yarn spun in Indian mills, it has now come to about 6 per cent. of the whole. While in pre-war years yarns of counts 1 to 20 constituted about 75 per cent. of the total yarn output, these now stand at 60 per cent. The figures of yarns produced and imported during the last few years follow:—

| | Production. | Imports. |
|------------------|------------------|----------|
| | (in 1,000 lbs.). | |
| Pre-War Average | — 646,757 | 41,794 |
| War Average | — 666,227 | 34,063 |
| Post-War Average | — 662,510 | 44,681 |
| 1925-26 | — 686,610 | 51,688 |
| 1926-27 | — 807,116 | 49,425 |
| 1927-28 | — 808,940 | 52,945 |

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| Twist and Yarn. | | | | | |
|-------------------|----------------|------------|-----------------------------|--------------|--------------|
| | 1932-33 | 1933-34 | 1934-35 (in million lbs) | 1935-36 | 1936-37 |
| Bombay Island | — 313 | 243 | 265 | 305 | 277 |
| Ahmedabad | — 166 | 169 | 179 | 166 | 163 |
| Bombay Presidency | — 559 | 485 | 523 | 549 | 513 |
| Madras | — 105 | 98 | 104 | 113 | 130 |
| Bengal | — 41 | 40 | 41 | 41 | 38 |
| U. P. | — 93 | 94 | 100 | 108 | 115 |
| Ajmer-Merwara | — 78 | 81 | 86 | 104 | 86 |
| Punjab | — 53 | 26 | 27 | 71 | 90 |
| Delhi | — 268 | 244 | 253 | 252 | 260 |
| C. P. | — 454 | 416 | 450 | 464 | 476 |
| Burma | — 33 | 33 | 40 | 37 | 35 |
| Indian States | — 131 | 124 | 148 | 155 | 164 |
| TOTAL | — 1,016 | 921 | 1,001 | 1,058 | 1,054 |

The following table gives the quantity of the various counts of yarns produced in the Indian mills during 1935-36

| | Nos 1 to 10 | Nos 11 to 20 | Nos 21 to 30 | Nos 31 to 40 | Nos 41 & above | Total |
|-------------------|----------------|-----------------|-----------------|-----------------|-------------------|--------------|
| (in million yds). | | | | | | |
| Ahmedabad | — 18 | 612 | 406 | 341 | 254 | 163 |
| Bombay Island | — 379 | 1020 | 774 | 379 | 207 | 277 |
| Bombay Presidency | — 502 | 1930 | 1433 | 767 | 488 | 513 |
| Madras | — 27 | 552 | 388 | 277 | 39 | 130 |
| Bengal | — 41 | 155 | 85 | 49 | 23 | 38 |
| U. P. | — 197 | 592 | 309 | 29 | 004 | 115 |
| Ajmer-Merwara | — 35 | 47 | 04 | — | — | 86 |
| Punjab | — 23 | 63 | 05 | — | — | 90 |
| Delhi | — 25 | 198 | 30 | 04 | 03 | 26 |
| C. P. & Berar | — 116 | 259 | 65 | 24 | 07 | 48 |
| Burma | — 03 | 32 | 01 | — | — | 35 |
| Indian States | — 151 | 974 | 369 | 80 | 57 | 164 |
| TOTAL | — 112 | 480 | 269 | 123 | 62 | 1,054 |

The following two tables give the quantity and length of grey and bleached and coloured piecegoods during 3 years ending 1934-35 —

| Grey & Bleached. | | | | | | |
|-------------------|------------------|---------|---------|-------------------|---------|---------|
| | 1934-35 | 1935-36 | 1936-37 | 1934-35 | 1935-36 | 1936-37 |
| | (in million lbs) | | | (in million yds). | | |
| Ahmedabad | 131 | 115 | 118 | 724 | 658 | 653 |
| Bombay Island | 176 | 203 | 198 | 830 | 995 | 938 |
| Bombay Presidency | 342 | 352 | 354 | 1,701 | 1,801 | 1,749 |
| Madras | 93 | 101 | 105 | 333 | 413 | 419 |
| Bengal | 300 | 303 | 320 | 1452 | 1457 | 1532 |
| U. P. | 501 | 499 | 587 | 2003 | 1946 | 2270 |
| Ajmer-Merwara | 66 | 72 | 47 | 240 | 271 | 176 |
| Punjab | 22 | 56 | 64 | 69 | 185 | 214 |
| Delhi | 174 | 166 | 184 | 649 | 633 | 699 |
| C P | 214 | 191 | 174 | 807 | 703 | 648 |
| Indian States | 905 | 964 | 1022 | 3802 | 4107 | 4167 |
| TOTAL | 571 | 588 | 6045 | 2641 | 2773 | 2762 |

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The table shows that the production of either class of piecegoods is on the increase and that the total production in twenty years has just doubled. A peculiar feature is that the expansion in the case of coloured goods is more pronounced than that in the case of grey and bleached goods

A detailed statement of the quantity in pounds and their equivalent in yards, and descriptions of woven goods produced in the Indian mills during the last few years follows:—

| | | 1931 | 1932 | 1933 | 1934 | 1935 | 1936 |
|---|--------|---------|---------|---------|---------|---------|---------|
| Grey and Bleached. | | -32 | -33 | -34 | -35 | -36 | -37 |
| Chadars | { lbs. | 21 1 | 21 8 | 21 1 | 23 2 | 23 7 | 26 7 |
| | { Yds. | 55 7 | 58 6 | 56 2 | 58 9 | 59 4 | 65 9 |
| Dhuties | { lbs. | 188 3 | 210 2 | 188 1 | 215 1 | 234 2 | 219 8 |
| | { Yds. | 964 5 | 1,096 8 | 978 5 | 1,109 9 | 1,240 3 | 1,117 7 |
| Drills and Jeans | { lbs. | 26 2 | 28 2 | 26 5 | 29 5 | 32 1 | 35 8 |
| | { Yds. | 103 2 | 112 9 | 104 3 | 118 6 | 128 9 | 136 5 |
| Cambrics | { lbs. | 5 8 | 9 0 | 10 4 | 16 2 | 16 2 | 16 0 |
| | { Yds. | 43 3 | 67 5 | 77 6 | 121 7 | 129 7 | 123 8 |
| Printers | { lbs. | 4 5 | 2 5 | 3 5 | 4 0 | 2 9 | 2 9 |
| | { Yds. | 22 0 | 13 7 | 18 4 | 20 9 | 16 0 | 14 7 |
| Shirtings & L-Cloth | { lbs. | 176 3 | 165 2 | 162 0 | 187 4 | 182 1 | 194 9 |
| | { Yds. | 790 9 | 748 0 | 725 8 | 863 2 | 842 5 | 900 7 |
| T-cloth, Domestics & Sheetings | { lbs. | 42 5 | 39 6 | 36 7 | 41 3 | 38 8 | 45 2 |
| | { Yds. | 154 4 | 143 7 | 137 0 | 161 9 | 152 1 | 170 5 |
| Tent Cloth | { lbs. | 2 1 | 2 9 | 2 2 | 2 5 | 3 0 | 4 0 |
| | { Yds. | 4 9 | 6 7 | 5 2 | 6 1 | 7 5 | 9 7 |
| Khadi, Dungri | { lbs. | 41 6 | 39 5 | 30 7 | 35 8 | 37 8 | 39 7 |
| | { Yds. | 119 5 | 115 5 | 91 3 | 106 2 | 116 4 | 126 4 |
| Other Sorts | { lbs. | 11 6 | 12 9 | 14 7 | 16 5 | 16 9 | 19 6 |
| | { Yds. | 52 6 | 59 7 | 70 8 | 73 7 | 80 1 | 95 8 |
| TOTAL | { lbs. | 520 0 | 531 8 | 495 8 | 570 7 | 537 8 | 604 5 |
| | { Yds. | 2,311 1 | 2,423 0 | 2,265 0 | 2,641 3 | 2,773 0 | 2,761 8 |
| Coloured. | | | | | | | |
| Coloured piecegoods | { lbs. | 138 6 | 150 7 | 137 6 | 147 5 | 152 9 | 154 7 |
| | { Yds. | 678 8 | 746 9 | 680 1 | 755 8 | 797 9 | 810 2 |
| Grey coloured goods other than piecegoods | { lbs. | 3 2 | 3 5 | 3 4 | 3 7 | 5 1 | 5 1 |
| | { Doz. | 0 8 | 0 9 | 0 8 | 0 9 | 1 3 | 1 2 |
| Miscellaneous | | | | | | | |
| Hosiery, | { lbs. | 2 0 | 2 5 | 2 2 | 4 2 | 5 3 | 6 5 |
| | { Doz. | 0 6 | 0 7 | 0 7 | 1 5 | 1 6 | 2 1 |
| Miscellaneous | { lbs. | 5 4 | 4 3 | 4 9 | 6 2 | 5 7 | 5 6 |
| Cotton goods mixed with silk & wool | { lbs. | 3 0 | 2 0 | 1 9 | 3 8 | 4 7 | 5 9 |
| GRAND TOTAL | { lbs. | 672 3 | 694 9 | 645 7 | 736 6 | 761 4 | 782 3 |
| | { Yds. | 2,990 1 | 3,170 0 | 2,945 1 | 3,397 1 | 3,570 9 | 3,572 0 |
| | { Doz. | 1 5 | 1 7 | 1 5 | 2 4 | 2 9 | 3 3 |

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| | Production. | Imports. |
|----------|------------------|----------|
| | (in 1,000 lbs.). | |
| 1928-29* | 648,283 | 43,766 |
| 1929-30 | 833,542 | 43,882 |
| 1930-31 | 867,279 | 29,140 |
| 1931-32 | 966,373 | 31,575 |
| 1932-33 | 1,016,422 | 45,103 |
| 1933-34 | 921,061 | 32,055 |
| 1934-35 | 1,000,756 | 34,013 |
| 1935-36 | 1,059,287 | 44,570 |
| 1936-37 | 1,054,117 | 28,520 |

The following figures illustrate the quantities of yarns spun under the several broad grades—

| | Pre-War | 1931 | 1932 | 1933 | 1934 | 1935 | 1936 |
|--------------|---------|------|------|------|------|------|------|
| | Average | —32 | —33 | —34 | —35 | —36 | —37 |
| Nos 1 to 20 | 479 | 562 | 599 | 547 | 573 | 594 | 592 |
| Nos 21 to 30 | 146 | 294 | 297 | 255 | 282 | 288 | 269 |
| Nos 31 to 40 | 19 | 71 | 77 | 76 | 96 | 112 | 123 |
| Above 40 | 3 | 34 | 37 | 37 | 44 | 59 | 62 |
| Waste | 5 | 5 | 6 | 6 | 6 | 6 | 8 |

It will be evident from the figures that there is significant tendency in India in the direction of spinning finer counts. Formerly the yarns Nos 1 to 20 embraced by far the largest part of the yarn output but the mills are more and more concentrating their efforts on spinning finer yarns from long staple cotton imported from abroad and also from that grown in India itself.

PRODUCTION OF PIECEGOODS.

Productions of cotton piecegoods are classified under two broad groups—Grey and bleached piecegoods and coloured pieces, which are again subdivided into a number of well-known types. The figures of production under each of these heads produced in Indian mills including the Indian States for the few years are given below:—

| | Grey and Bleached | | Coloured | | Total | |
|------------------|-----------------------|-------|-----------------------|------|-----------------------|-------|
| | (figures in million). | | (figures in million). | | (figures in million). | |
| | lbs. | Yds. | lbs. | Yds. | lbs. | Yds. |
| Pre-War Average | — | 864 | — | 251 | — | 1,105 |
| War Average | — | 1,219 | — | 466 | — | 1,444 |
| Post-War Average | — | 1,219 | — | 466 | — | 1,676 |
| 1924-25 | 325 3 | 1,382 | 125 6 | 588 | 450 9 | 1,970 |
| 1925-26 | 339 3 | 1,414 | 116 7 | 540 | 456 0 | 1,964 |
| 1926-27 | 381 7 | 1,577 | 145 3 | 681 | 527 0 | 2,259 |
| 1927-28 | 403 5 | 1,675 | 148 3 | 682 | 551 3 | 2,357 |
| 1928-29 | 330 9 | 1,410 | 112 2 | 484 | 443 1 | 1,893 |
| 1929-30 | 421 8 | 1,815 | 125 9 | 605 | 547 7 | 2,419 |
| 1930-31 | 460 3 | 2,003 | 117 5 | 558 | 577 8 | 2,561 |
| 1931-32 | 520 0 | 2,311 | 138 6 | 679 | 658 6 | 2,990 |
| 1932-33 | 531 8 | 2,423 | 150 7 | 747 | 682 5 | 3,170 |
| 1933-34 | 495 8 | 2,265 | 137 6 | 680 | 645 7 | 2,945 |
| 1934-35 | 571 | 2,641 | 147 | 756 | 718 | 3,397 |
| 1935-36 | 588 | 2,773 | 153 | 798 | 741 | 3,571 |
| 1936-37 | 606 | 2,762 | 155 | 810 | — | 3,572 |

* The reduced production during 1928-29 was largely due to the strike in the Bombay mills which continued for 6 months during the year.

SAFETY MATCHES & their Manufacture explains every aspect of the industry. INDUSTRY BOOK DEPT., Calcutta. Price Rs. 2/8.

Somaliland, each has been gradually decreasing receipts of Indian yarn, the most pronounced and the one needing urgent attention being the exports to the first-named country. Asiatic Turkey took only 80,000 lbs. of Indian yarn in 1936-37, but such is a decided improvement considering that there was practically no export to that country in the previous year, but here again, the matter requires close attention, for in 1934-35 Turkey took 868,800 lbs, but has restricted her receipts ever since. Asiatic Turkey and Iran are India's near markets where several advantages not to be found elsewhere exist, and for this reason it would appear imperative to find out the cause of the decline in the offtake of these countries and to remedy the situation if possible.

In the export trade of yarn during 1936-37, Bombay's share was 11,195,347 lbs., and Madras which was second, accounted for only 815,726 lbs

Piece-Goods.

The exports of piecegoods made in India had been falling off considerably, partly due to growing competition in the markets where India formerly sold her goods and partly due to the establishment of textile mills at those places to meet the local demand. During 1936-37 the exports showed a welcome revival. The following table shows the exports under the head of grey, white and coloured:—

| | 1928 | 1929 | 1930 | 1931 | 1932 | 1933 | 1934 | 1935 | 1936 |
|--------------------------------------|--------------------|-------|------|-------|------|------|------|------|-------|
| | -29 | -30 | -31 | -32 | -33 | -34 | -35 | -36 | -37 |
| | (in million yds.). | | | | | | | | |
| Grey | 164 | 150 | 98 | 86 | 47 | 42 | 64 | 89 | 232 |
| White | 14 | 12 | 04 | 03 | 04 | 03 | 05 | 13 | 46 |
| Coloured | 131.5 | 117.2 | 87.5 | 95.8 | 61.4 | 52.0 | 50.8 | 61.1 | 73.8 |
| Total | 149.2 | 133.4 | 97.7 | 104.7 | 66.4 | 56.5 | 57.7 | 71.2 | 101.7 |
| Value of exports (in lakh of Rs.) | 5.37 | 4.67 | 3.32 | 3.24 | 2.09 | 1.66 | 1.77 | 2.03 | 2.52 |

The best customer of India's grey goods in 1936-37 was Portuguese East Africa, which displayed Mauritius and Dependencies from that position. There was a remarkable improvement in the case of the Straits Settlements, the share of which increased from 224,039 yards in 1934-35 to 644,023 yards in 1935-36 and to 1,108,861 yards in the year under review. Tanganyika Territory was another country similarly to improve her receipts. As in the case of yarn, the share of Aden and Dependencies appreciably fell away from the previous year's level and there was a slight recession in regard to the offtake of Arabia also.

In regard to white piecegoods all countries, including Aden and Dependencies, increased their takings, but the most noteworthy improvement was evidenced in the case of the Straits Settlements.

Coloured Goods.

Of the several countries taking India's coloured, printed, or dyed piecegoods, the receipts of Iraq, Aden and Dependencies, Arabia, Iran, Ceylon, Straits Settlements, Anglo-Egyptian Sudan, Kenya Colony and Zanzibar and Pemba, Portuguese East Africa, and Tanganyika Territory showed considerable improvement over those of the previous two years. Here again, the improvement in the case of the Straits Settlements was noteworthy. Bahrein Islands took more in 1936-37 than in the previous year, but the 1934-35 figures still continued to be above the 1936-37 level. It was only the share of Mauritius and Dependencies that was below the 1935-36 level, but the 1936-37 figures in this case are much above the 1934-35 level.

For experimented formulas for damp proofing matches consult Safety Matches and Their Manufacture. Industry Book Dept., price Rs. 2/3.

EXPORTS OF INDIAN COTTON GOODS.

Cotton twists and yarns and piecegoods as well were formerly exported in big quantities to Far Eastern markets but as remarked already the exports are recording gradual decreases. The figures of exports during the last few years follow —

Twist and Yarn.

| | 1931-32 | 1932-33 | 1933-34 | 1934-35 | 1935-36 | 1936-37 |
|----------------------------|---------|---------|---------|---------|---------|---------|
| Quantity (in million lbs.) | 22 | 15 | 16 | 12 8 | 9 7 | 12 1 |
| Value (in lakhs of Rs) | 1,28 | 79 | 82 | 63 | 47 | 59 |

The detailed figures of exports of cotton twists and yarns by counts follow.—

| | 1932-33 | 1933-34 | 1934-35 (in 1,000 lbs.) | 1935-36 | 1936-37 |
|----------------|---------------|---------------|----------------------------|--------------|---------------|
| Nos 1 to 20 | 14,363 | 13,925 | 10,855 | 9,245 | 12,352 |
| Nos 21 to 40 | 456 | 2,036 | 1,648 | 214 | 546 |
| Above No. 40 | — | 3 | 9 | — | 6 |
| Grey two-folds | 131 | 90 | 138 | 97 | 85 |
| Unspecified | 158 | 334 | 139 | 112 | 148 |
| TOTAL | 15,108 | 16,388 | 12,789 | 9,668 | 12,137 |

China was the principal purchaser of Indian twists and yarns during the pre-war days but her offtakes have declined considerably. A list of chief purchasers of Indian yarns follows:—

| | 1932-33 | 1933-34 | 1934-35 (in 1,000 lbs.) | 1935-36 | 1936-37 |
|-----------------|---------------|---------------|----------------------------|--------------|---------------|
| China | 8 | — | — | — | 208 |
| Egypt | 529 | 262 | 154 | 435 | 645 |
| S. Settlement | 469 | 669 | 699 | 1,274 | 1,399 |
| Persia | 2,654 | 4,349 | 1,538 | 8 | — |
| Siam | 756 | 829 | 657 | 531 | 890 |
| U. K | 198 | 440 | 236 | 182 | 150 |
| Arabia | 246 | 171 | 117 | 139 | 169 |
| Other Countries | 9,248 | 9,668 | 9,378 | 7,099 | 9,178 |
| TOTAL | 15,108 | 16,888 | 12,789 | 9,668 | 12,137 |

Although production of cotton twist and yarn decreased from 1,059 million lbs. to 1,054 million lbs., the exports increased during 1936-37. Grey yarns constituted the bulk of the yarn exports, such, however, were the lowest quantity sent during the last three years, both in regard to singles and twofolds. Bleached yarn exports in 1936-37 were slightly more than in the previous year, but were not the highest during the last three years. Coloured yarns as well as yarns of unspecified descriptions showed some improvement, and this improvement, it should be added, has been gradual.

The best customer for India's yarn during the year under review was Syria, and this country increased her receipts from 2,445,942 lbs. in 1935-36, to 3,560,200 lbs in 1936-37. The latest year's figure compares with 3,455,201 lbs in 1934-35 and shows how much leeway was made up in the year 1936-37. Next in importance came the Straits Settlements, which took 1,396,751 lbs. in 1936-37, as against 1,274,380 lbs in the previous year, and 698,533 lbs in 1934-35. Other countries which showed gradual improvements include, in the order of importance, based on the quantity of offtake, Iraq, Egypt, and Arabia. Aden and Dependencies used to be one of the best customers, but in 1936-37 the share of these fell by about 70,000 lbs. Iran, Siam, and French

For experimented formulas for damp proofing matches consult Safety Matches and Their Manufacture. Industry Book Dept., price Rs. 2/8.

In this connection a comparison between Indian imports and exports of cotton yarns and manufactures makes interesting reading.

| | | Imports. | Exports. |
|---------|-----|----------|----------|
| 1919-20 | --- | 59,08 | 27,41 |
| 1920-21 | --- | 102,12 | 18,27 |
| 1921-22 | --- | 56,94 | 15,65 |
| 1922-23 | --- | 70,13 | 13,06 |
| 1923-24 | --- | 67,48 | 10,95 |
| 1924-25 | --- | 82,33 | 11,27 |
| 1925-26 | --- | 65,67 | 9,65 |
| 1926-27 | --- | 65,05 | 10,75 |
| 1927-28 | --- | 65,16 | 8,67 |
| 1928-29 | --- | 62,24 | 7,80 |
| 1929-30 | --- | 58,59 | 7,19 |
| 1930-31 | --- | 25,09 | 5,22 |
| 1931-32 | --- | 18,78 | 4,82 |
| 1932-33 | --- | 26,31 | 3,29 |
| 1933-34 | --- | 17,74 | 2,73 |
| 1934-35 | --- | 21,76 | 2,40 |
| 1935-36 | --- | 21,15 | 2,98 |
| 1936-37 | --- | 18,25 | 3,78 |

The share of countries shipping piecegoods to India is evident from the accompanying table —

| | 1913 | 1931 | 1932 | 1933 | 1934 | 1935 | 1936 |
|-------------|------|------|------|------|------|------|------|
| U. K. | 3068 | 376 | 516 | 415 | 552 | 440 | 334 |
| Japan | 9 | 340 | 579 | 341 | 374 | 496 | 417 |
| Netherlands | 25 | 7 | 5 | 2 | 2 | 17 | 19 |
| Italy | 23 | 11 | 18 | — | 20 | 07 | 08 |
| U. S. A. | 9 | 3 | 1 | — | 1 | 1 | 02 |
| Switzerland | 6 | 8 | 10 | 1 | 8 | 59 | 76 |

It will be seen that while the share of U. K. in 1913-14 was 97 per cent., this has come down to 43.7 in 1936-37. The share of Japan has increased during the period from nil to 54.6

CONSUMPTION IN INDIA.

The Indian mills produced during 1936-37 roughly 3,572 million yards of cloth, and imports amounted to some 764 million yards, the corresponding figures for the previous year being 3,571 million and 947 million yards respectively. Exports of Indian-made cloth and imported cloth amounted to 101.7 million yds and 10.5 million yds against 71.2 million yds and 9.9 million yds respectively, in the preceding year. Accordingly, the quantity of cotton piecegoods remaining in India was 4,224 million yds, which compare with 4,439 million yards for the year 1935-36. The quantities of mill-made cloth, whether Indian or imported, available for consumption in the country follow. —

| | Mill. Production. | Imports | Exports. (in million yds.). | Re- exports. | Consumption. |
|---------|----------------------|---------|--------------------------------|-----------------|--------------|
| 1925-26 | 1,954 | 1,564 | 165 | 35 | 3,218 |
| 1926-27 | 2,259 | 1,788 | 198 | 29 | 3,820 |
| 1927-28 | 2,357 | 1,973 | 169 | 34 | 4,128 |
| 1928-29 | 1,893 | 1,937 | 149 | 24 | 3,657 |
| 1929-30 | 2,419 | 1,919 | 133 | 22 | 4,183 |
| 1930-31 | 2,561 | 890 | 98 | 17 | 3,336 |
| 1931-32 | 2,990 | 776 | 105 | 15.7 | 3,645 |
| 1932-33 | 3,169 | 1,225 | 66 | 21.6 | 4,306 |

Pyrotechnic matches and Their Preparation are dealt in Safety Matches and Their Manufacture. Industry Book Dept., Calcutta. Price Rs. 2/8.

Indications Analysed.

From the foregoing account it is particularly evident that the demand from Aden and Dependencies for yarn and grey goods has fallen, while that for coloured, printed, or dyed, and bleached goods has increased. The demand for the latter has fallen from one quarter, namely, Mauritius and Dependencies. Probably these variations indicate the trend of economic progress in those countries. It may be that in Aden and Dependencies there might be indigenous attempts to produce yarn and coarse cloth, or that other countries stepped in, displacing India. The latter of these observations should, doubtless, account for the decline in the receipts of Mauritius and Dependencies. Another point which is particularly significant is the growing importance of the Straits Settlements where the reception for India's yarn and piecegoods seems to be very favourable. Proper attention would seem to be warranted further to explore the possibilities of this promising field.

IMPORTS OF YARNS & PIECEGOODS.

Huge quantities of yarns and piecegoods are imported annually chiefly from the United Kingdom and Japan. The increased production of yarns and piecegoods backed up by the imposition of high tariffs on imported stuff checked imports to some extent but with improvement of business conditions the imports have moved up.

The figures of imports for cotton twists and yarns have already appeared on page 211. Those for piecegoods are given below —

| | | | Grey. | White | Coloured. | Total. |
|---------|---|---|-------|--------------------|-----------|--------|
| | | | | (in million yds.). | | |
| 1913-14 | — | — | 1,534 | 793 | 832 | 3,197 |
| 1914-15 | — | — | 1,320 | 604 | 495 | 2,446 |
| 1921-22 | — | — | 636 | 306 | 138 | 1,090 |
| 1922-23 | — | — | 931 | 403 | 244 | 1,593 |
| 1923-24 | — | — | 704 | 415 | 348 | 1,486 |
| 1924-25 | — | — | 846 | 549 | 407 | 1,823 |
| 1925-26 | — | — | 709 | 465 | 306 | 1,564 |
| 1926-27 | — | — | 748 | 571 | 477 | 1,788 |
| 1927-28 | — | — | 876 | 556 | 505 | 1,973 |
| 1928-29 | — | — | 839 | 554 | 507 | 1,937 |
| 1929-30 | — | — | 926 | 474 | 483 | 1,919 |
| 1930-31 | — | — | 365 | 272 | 246 | 890 |
| 1931-32 | — | — | 249 | 280 | 223 | 776 |
| 1932-33 | — | — | 356 | 413 | 425 | 1,225 |
| 1933-34 | — | — | 230 | 262 | 269 | 796 |
| 1934-35 | — | — | 298 | 285 | 361 | 944 |
| 1935-36 | — | — | 332 | 263 | 352 | 947 |
| 1936-37 | — | — | 262 | 220 | 283 | 764 |

The value of the different classes of imported cotton manufactures during the last few years is set forth below —

| | 1929 | 1931 | 1932 | 1933 | 1934 | 1935 | 1936 |
|--------------|------|------|-------|-------|-------|-------|-------|
| | -30 | -32 | -33 | -34 | -35 | -36 | -37 |
| | | | | | | | |
| Piecegoods | | | | | | | |
| Grey | — | — | 20,93 | 3,92 | 5,07 | 3,06 | 4,03 |
| White | — | — | 13,27 | 5,33 | 7,33 | 4,73 | 5,47 |
| Coloured | — | — | 15,15 | 5,05 | 8,34 | 5,25 | 7,43 |
| Twist & yarn | — | — | 6,00 | 2,99 | 3,79 | 2,58 | 3,10 |
| Hosiery | — | — | 1,44 | 48 | 67 | 77 | 58 |
| Handkerchief | — | — | 17 | 2 | 5 | 4 | 5 |
| Thread | — | — | 81 | 54 | 56 | 51 | 71 |
| TOTAL | — | — | 58,59 | 18,78 | 26,31 | 17,20 | 21,76 |
| | | | | | | | 21,15 |
| | | | | | | | 17,49 |

Pyrotechnic matches and Their Preparation are dealt in Safety Matches and Their Manufacture. Industry Book Dept., Calcutta. Price Rs. 2/8.

specially competing with the hand-woven cloth; and a good proportion of the proceeds of such an import duty to be devoted to the progress of the hand-loom, (ii) To distribute the internal market for Indian cloth as between the mills and the hand-loomers and restrict the production of mill-cloth to counts above a certain limit, (iii) To levy a consumption tax upon all mill yarn, consumed by weaving mills, and devote the proceeds of such a levy for the development of the hand-loom industry, (iv) To increase the present Government of India subvention for the hand-loom weaving industry to an amount sufficient for its proper development; (v) To grant concession rates on the railways for the movement of yarn and cloth of the hand-loom industry, (vi) To adopt the Madras scheme of charging a licence fee upon all shops dealing in mill-cloth and devote the proceeds therefrom for the improvement of the hand-loom weaving industry, (vii) To develop the technique of warping, sizing, weaving and packing, etc., and introduce new patterns, standardisation, national marks, and to do everything else, directed towards the improvement of quality and increase of quality of hand-woven goods, (viii) To organise co-operative production concerns fitted with mechanical power and implements for the better and cheaper production of hand-woven cloth, (ix) To organise and develop co-operative marketing and to use hand-woven cloth only for all Governmental purposes

PRESENT SITUATION.

There was a net decrease of 5 mills in Bombay, 3 mills in Ahmedabad and 15 mills in the Bombay Presidency exclusive of Ahmedabad and Bombay City and Island during the year ended August 31, 1937. The number of equipped mills in Bengal is 26 as against 24 last year, the Shri Durga Cotton Spg. and Wvg Mills and the Chittaranjan Cotton Mills having commenced work. There was no change in the number of mills in Central Provinces, Berar, Rajputana and the United Provinces, but the number of equipped mills in the Punjab increased by 1, the Sutlej Cotton Mills in Okhara having commenced operation in March 1937. In Madras Presidency the number of mills increased by two, the Tirumurti Mills and the Salem Rajendra Mills having commenced working. Out of the 370 equipped mills in the country, 35 were partly or completely idle. Of these 35 mills, 5 were located in Bombay City and Island and 10 in Ahmedabad.

During the year ended 31st August, 1937 the total number of spindles in the equipped mills of the country now stands at 9,781,000, a decrease of 126,000 during the year. The total number of looms is 197,810, a decrease of 2,252 during the year. In Bombay City and Island, the number of spindles fell from 29.85 lakhs to 28.90 lakhs and the number of looms from 68,000 to 67,000. In Ahmedabad, the number of spindles decreased from 2,042,000 to 1,976,400 and the number of looms from 51,000 to 49,000. In the Bombay Presidency, exclusive of Ahmedabad and Bombay City, the number of spindles and looms decreased by 6,300 and 400 respectively. In the United Provinces, the number of spindles and looms were respectively 741,000 and 11,000, the number of spindles increased by 6,000 and the number of looms by 500. The number of erected spindles and looms in Bengal shows an increase of 18,600 and 700 respectively as compared with last year. In the Madras Presidency, there was an increase of 60,000 spindles and 200 looms. In the Central Provinces, there was no change in the number of looms, but an increase of 2,000 in the number of spindles, the figures at the end of the year being, spindles 323,000 and looms 5,739. In Central India which includes mills in Indore and Gwalior, the number of spindles increased by 2,000 to 370,000 and the number of looms increased

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| | Mill. Production. | Imports. | Exports (in million yds). | Re. exports. | Consumption. |
|---------|----------------------|----------|------------------------------|-----------------|--------------|
| 1933-34 | — 2,945 | 796 | 56 4 | 24 8 | 3,560 |
| 1934-35 | — 3,397 | 944 | 57 7 | 10 6 | 4,273 |
| 1935-36 | — 3,571 | 947 | 71 2 | 9 9 | 4,437 |
| 1936-37 | — 3,572 | 764 | 101 7 | 10 5 | 4,224 |

Per capita consumption of cloth in 1936-37 was 12 1 yds as compared with 16 67 yds in the previous year and 15 60 yds. in 1934-35

HAND-LOOM INDUSTRY.

A short account of hand woven cloth though not strictly belonging to the subject may not be out of place on account of the magnitude it has now assumed.

In importance cotton weaving is second to agriculture alone. Though authoritative statistics are not available, the number of hand-looms appears to be not less than 2,500,000 and the number of persons wholly or partly dependent on the industry must be in the neighbourhood of ten millions, whereas the cotton weaving mills in India employ 380,000 men only. This industry is responsible for about 46 per cent. of the total cloth produced in India and about 37 per cent of the total annual consumption of clothes

In coarser counts handloom production is not uneconomical. In medium and finer counts it is doubtful if the handloom industry can survive. Therefore, the Tariff Board in their Report on Textile Industry recommended reduction of the specific duty on yarn to one anna a pound and its restriction to counts 50s. and below.

Artificial silk yarn is also used by handloom weavers in South India, in the Punjab and in Burma. There is great divergence of opinion whether the use of artificial silk should be encouraged or not, because, on the hand, it competes with genuine Indian silk, on the other, it enables the hand weaver at a low cost to improve the appearance of his manufacture

The chief drawbacks from which the handloom industry suffers are the lack of education on artisans' part, their inherent conservatism, want of capital, and lack of marketing organisation. To remedy these defects technical education should be rendered available to the artisans and they should be advised and encouraged to adopt better tools and new ideas in production. Herein also exists the opportunity for the co-operative credit banks of proving their utility by providing credit facilities to the weavers. Co-operative sale and purchase societies and a Central Sales Union may also provide marketing facilities. State aid is also needed.

In 1936-37 hand-looms in the different parts of India produced 1,490 million yds of cloth as against 3,572 million yds by the cotton mills, and 7,64 million yds of imported manufactures. Handloom productions during 1935-36, 1934-35, 1933-34, 1932-33 and 1931-32 were 1,660 million yds, 1,460 million yds, 14,36 million yds, 1700 million yds and 1500 million yds, respectively. The production of khaddar, in the Indian mills during 3 years ending 1936-37 was 106 2, 116 4 and 126 4 million yds, respectively. The production figures of genuine handmade khaddar are not available but the approximate figure for khaddar may be estimated at 10 million yards per annum

Recently an important conference took place in Calcutta under the presidentship of Mr. S Satyamurthi, M.L.A. to promote the interests of handloom weavers. Among the resolutions passed in the Conference are—(1) Adequate import duties on foreign mill cloth of lower and higher counts to be levied; especially on such cloths as are found to be

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yards during the corresponding period of 1937-38. Ceylon closely followed Burma in her takings of this variety, which formed the bulk of her consumption of Indian piecegoods.

Overseas Markets.

With the exception of Siam, Anglo-Egyptian Sudan and some of the East African ports, all the overseas markets registered an increase in their takings of Indian piecegoods varying from 50 per cent to 400 per cent. Ceylon, which is the principal market for Indian textiles, consumed 14.6 million yards of piecegoods during the half-year ended 30th September, as against 10.7 million yards during the corresponding period a year ago. Her takings during September were, however, less by 500,000 yards as compared with those during the preceding month. This may be probably due to the relaxation of quota restrictions which proved beneficial to Japanese piecegoods.

The Straits Settlements market has been assuming increasing importance to India. During the fiscal year ended 31st March, shipments of cotton fabrics from India had advanced from 7,700,000 yards to 12.8 million yards, while the following six months saw the aggregate exports of 11.7 million yards.

Considerable advance in the consumption of Indian piecegoods was registered by Egypt. That country was responsible for taking three and half times the goods taken during the first half of 1936-37. During the half-year ended September, 1935 Egypt had taken only 220,000 yards, as against 16 million yards during the corresponding half of the current year.

Nigeria attracted great importance as a market capable of being developed. During the half-year ended 30th September, she absorbed 7,100,000 yards of cotton fabrics from India as against 7,200,000 and 3,800,000 yards of her total takings during the fiscal years 1935-36 and 1936-37, respectively.

Africa was responsible for importing a little over 9,000,000 yards, being 4,000,000 yards more than her takings from India during the corresponding half of the previous fiscal year. Signs of revival of the piecegoods trade with Iran were also visible. There were also increases in exports of cotton fabrics from India to Iraq, Arabia, Bahrain Islands and the Federated Malay States, while shipments to sundry markets shot up from 980,000 yards to 4,600,000 yards.

Yarn Exports.

The total shipments of cotton yarn from British India rose from 5,000,000 lbs to 11,600,000 lbs. Belgium, which had not figured as a buyer of Indian yarn till last year, was the second largest customer having bought 5,140,000 lbs of twist and yarn as against 560,000 lbs during the corresponding half of 1936-37.

Expansion of Indian exports during the past six months is attributed to the absence of Japanese competition in the overseas markets due probably to that country's occupation in Far Eastern affairs. Most of the business now done abroad has, it is stated, come without any organised efforts on the part of the Indian textile industry.

The problem now before the millowners is to consolidate the position attained by them. It is suggested that they need an organisation on the lines of the Japanese Cotton Exporters' Association to study the overseas markets. It is felt that the time has come for organised effort instead of leaving matters to the discretion of individual millowners.

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by 200 to 10,000. In the Punjab, the number of spindles increased by 6,000 to a total of 94,000. In Hyderabad (Nizam's Territory) the number of spindles increased by 400 to a total of 125,180 but there was no change in the number of looms. In the Mysore State, there was a decrease of 19,000 in the number of spindles but the number of looms increased by 250. The change in the number of spindles and looms in other centres of the Industry was insignificant.

In the year ending 31st August 1937, the Industry consumed 1,573,000 candies of 784 lbs of cotton which is approximately the same as the consumption last year. The average number of spindles working daily during the year was 8,441,000 out of a total of 9,731,000 erected. Last year, the corresponding figures were 8,504,000 working out of a total of 9,857,000 erected. Of the 200,000 looms erected, an average of 177,000 were working daily during the year. This compares with the figure of 178,000 working daily in the previous year out of a total of 200,000. In Bombay City and Island, only 2,322,000 spindles and 59,000 looms out of 2,890,000 spindles and 67,000 looms respectively were working regularly. The above-quoted figures of spindle and loom activity do not include "night shift working." The figure of cotton consumed, however, includes night and day consumption.

The number of operatives employed daily on day shift work was approximately 417,000 as against 418,000 in the previous year. Particulars of the numbers regularly employed on night shift work are not available.

The year 1936-37 has seen a remarked revival of the export trade. After a period of over 20 years there are signs of India again attaining the position she occupied during the War in the matter of her exports of cotton fabrics.

The average annual exports of piecegoods from India during the War were 156.4 million yards, which was nearly a record figure for the Indian textile industry. During 1929-30, exports came down to 133.4 million yards followed by a further drop to 97.7 million yards during the next fiscal year. 1931-32 saw exports at 104 million yards but during the next three years India's exports of cotton piecegoods were 66.5 million, 56.5 million, and 57.7 million yards respectively. In view of this, it is considered that the overseas trade of India regarding her piecegoods is very satisfactory.

Export Trade during Six Months ending September, 1937.

Figures of piecegoods exports show a marked increase during the half-year ended 30th September, 1937. The quantity of Indian piecegoods absorbed during this period by foreign countries exclusive of Burma was 79,921,453 yards which is more than double the exports during the corresponding period a year ago and about 8,000,000 yards more than the total exports during 1935.

Exports of grey piecegoods from India amounted to 22.2 million yards as against 4,100,000 and 9,000,000 yards during the corresponding half-year of 1935-36 and 1936-37, respectively. Next to Burma, Egypt was the second largest market for this variety.

Overseas demand for bleached whites was more than four times the exports during the first half of the preceding year, the actual figures being 6,500,000 and 1,600,000 yards respectively. During the first half of 1935-36, India had exported only 620,000 yards of bleached whites. The highest figure reached in exports of this variety was only last year, 1936-37, being 4,600,000 yards as compared with 1,500,000 yards being the War average and 270,000 yards, the lowest during 1921-22.

Demand for coloured, printed or dyed goods from abroad expanded from 28.9 million yards during the first half of 1936-37 to 51.2 million

Gatechu Making is quite paying. Read MANUFACTURE OF GATECHU
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of export Bengal is celebrated for its jute textile industry concentrated in the assembly of 98 large mills on the banks of the Hooghly. The extensive and valuable industry with an investment of 19 57 crores of rupees and £ 25 million sterling exclusive of the reserve funds which have accumulated to huge figures has been mainly built up by British commercial enterprise, though of late Indian industrialists have come forward to stake a share. Of 99 jute mills in India only a few are entirely owned and under the management of Indian companies, most important of which are the Birla, Hukumchand, Adamjee, Gagalbhai, Hanuman, Premchand and Juggilal Kamlapat. The rest are still managed mostly by famous Scottish concerns associated with the industry from the early days there being only 3 mills under American management.

The jute textile industry employs 278,000 persons. The industry is practically confined to a single locality. Excluding four mills in the Madras Presidency, where a fibre differing from true jute is grown, and two in Bihar, and one in the United Provinces the jute mills lie in a small strip of country above and below Calcutta. It is usually on a much bigger scale than the cotton mill, the number of operatives employed in a single mill being three times as great as in the latter cases. The number of spindles in operation during 1933-34 was 1,194,000.

GROWTH OF THE JUTE MILL INDUSTRY.

Up to the middle of the last century the Bengal hand-loom jute industry possessed such vitality that the export of jute fabrics from Calcutta exceeded that of raw jute in quantity. Jute was then woven also on the power-looms of Dundee which improved the raw material from Calcutta. But in 1855 the first jute mill was started in India at Rishra and soon after jute mills sprang up rapidly in and around Calcutta. The progress of the jute mill industry has been almost uninterrupted owing to which the hand-weaving of jute fabrics has become extinct but the hand-spinning of jute ropes is still carried on as a cottage industry in the jute-growing districts. The development of the jute-mill industry in India during the last 50 years is evident from the following figures —

| | No. of Mills. | No. of Looms | No. of Spindles. | Persons Employed. | Mill Consump- tion in bales. |
|-----------|------------------|-----------------|---------------------|-------------------|---------------------------------|
| 1879-80 | 22 | 7 | 71 | 27 | — |
| 1889-90 | 26 | 8 | 157 | 60 | — |
| 1899-1900 | 34 | 14 | 295 | 102 | — |
| 1909-10 | 60 | 31 | 646 | 204 | — |
| 1919-20 | 76 | 41 | 856 | 280 | 5,227 |
| 1926-27 | 93 | 51 | 1,083 | 300 | 5,139 |
| 1927-28 | 93 | 52 | 1,106 | 336 | 5,794 |
| 1928-29 | 95 | 52 | 1,108 | 344 | 6,047 |
| 1929-30 | 98 | 54 | 1,140 | 343 | 6,424 |
| 1930-31 | 100 | 62 | 1,225 | 308 | 4,564 |
| 1931-32 | 103 | 61 | 1,221 | 277 | 4,269 |
| 1932-33 | 99 | 61 | 1,202 | 263 | 5,000 |
| 1933-34 | 99 | 59 5 | 1,194 | 264 | 5,065 |

The above figures show that the development of the jute mill industry has been rapid since the beginning of the present century. This can be explained on the basis of the growing international trade at this period. The primary industries such as wheat, grains, sugar, cotton, oil seeds, etc., all found themselves in a thriving condition and along with this there was a considerable expansion of the international trade in manufactured goods. This stimulated keen demand for jute

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JUTE MILL INDUSTRY.

THE development of the jute industry in India dates back to the latter part of the eighteenth century. In India it has been in long use as its references in early literature would amply prove, but then the demand for the article did not justify its wide cultivation. With the intercourse of the East and the West and the development of international trade, there sprang up a natural demand for cheap wrapping or containing material to transport goods from one place to another and to ship them abroad. Even then jute did not come to public prominence and its many-sided usefulness did not attract the notice of the pioneers of the jute industry. Some authorities went so far as to discourage the cultivation of jute until experiments could verify its applicability towards the satisfaction of human wants. But the scarcity of Russian hemp during the Cisleman War and the urgent necessity of cheap containing bags to carry food grains brought jute into prominence and since then the potentialities of jute have been appreciated by peoples outside India.

BENGAL'S JUTE MONOPOLY.

The peculiar geographical and climatic position of Eastern Bengal and Assam have enabled them to command a virtual monopoly in jute production. No country, it is believed, can monopolise an article in a sense Bengal and Assam do in respect of jute. Aident endeavours have been made in foreign lands in various parts of the tropics, notably in the Nile Valley, Nigeria, Sierra Leone and in many parts of Africa, in Java and French Indo-China, but Bengal and Assam have been the only countries in which the cultivation of jute has been a commercial success. A real danger threatens jute goods, arising from the use of such synthetic materials as paper, mechanical contrivances like grain elevators and the protective fiscal policy deliberately adopted by several countries to encourage local manufacture of substitutes. Moreover, of late there has been a progressive elimination of jute sacks as containers for grains in transit owing to increased adoption of bulk handling. The remedy lies in increasing the efficiency of jute mills in India and in initiating and vigorously pursuing a policy of research with the object of discovering fresh markets and new uses of jute. It is of the greatest importance that the Indian jute mills should be in a position to reduce their cost of manufacture and manufacture a wider range of articles such as curtains, rugs, shirtings, etc. It is a welcome sign that the Indian Central Jute Committee is carrying on experiments for improving the conditions in the jute trade. It is understood Central Jute Committee has under contemplation the establishment of an experimental spinning laboratory as quickly as it can in which it will carry out research work to try and establish the connection between the measurable properties of jute fibre and quality as judged by the class of work for which the fibre can be used.

IMPORTANCE OF THE JUTE INDUSTRY.

Jute and jute manufactures figure pre-eminently in the foreign trade of India, which annually amounts to several crores of rupees. Jute, both raw and manufactured, forms one of the chief commodities

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No arrangement for the restriction of production being reached on a uniform basis with outside Mills, the previous agreement automatically came to a termination. The Mills in the membership of the Association entered into a new agreement to work, from the 1st April, 1936, up to the maximum weekly hours permitted under the existing Factories Act for single shift, namely 54 hours per week, with all existing machinery in operation. The requisite 6 months' notice was given to the Adamjee Jute Mills Ltd, the Agarpala Co. Ltd, the Gagalbhai Jute Mills Ltd, the Ludlow Jute Co. Ltd, and to the Shree Hanuman Jute Mills, of the intention of the mills in the membership of the Association to release from seal and to put into operation, as on and from Monday, the 17th day of February, 1936, the remaining 5% of the total complement of looms of each mill or mill Company in the membership of the Association which at present has looms under seal.

The Indian Jute Mills Association suspended in toto the agreement regarding working hours, mill extensions, etc from March 1, 1937.

The position of this industry is also evident from its consumption of raw jute and outturn of manufactured goods in recent years. The following table compares the production, mill consumption and export of raw jute —

| | 1931-32 | 1932-33 | 1933-34 | 1934-35 | 1935-36 | 1936-37 |
|--------------------|-------------------------------------|---------|---------|---------|---------|---------|
| | (in lakhs of bales of 400 lbs each) | | | | | |
| Production | 55 | 71 | 80 | 85 | 72 | 96 |
| Export (July-June) | 31 | 35 | 43 | 44 | 41 | 49 |
| Mill consumption | 43 | 44 | 43 | 46 | 50 | 61 |

Concurrently with the increased demand for raw jute in foreign countries Indian consumption of raw jute also showed an advance in 1936-37 when the restrictions on mill production were removed by the Indian Jute Mill Association.

It may be observed that during all these years the Indian consumption exceeded the exports, although the excess was very much reduced in 1933-34 and in 1934-35. The Indian consumption for 1936-37 was 24 per cent more than exports during the same season.

PRODUCTION FIGURES.

The chief products of the jute mills are Twist and yarn, Gunny cloth, Hessian cloth, Gunny bags, Hessian bags.

Besides these jute mills produce a coarse kind of jute textile called jute canvas, rope, twines, etc, for cordage are also sometimes manufactured by these mills.

In 1936-37 the jute mills in India produced 1,242,910 tons of jute manufactures as against 1,009,471 tons in 1935-36, 949,820 tons in 1934-35 and 906,043 tons in 1933-34. The total production of the Indian jute mills for the first ten months of 1937 from 1st January to 31st October was 1,585,727,862 yards of hessian cloth and bags and 1,197,654,367 yards of sacking cloth and bags, compared with only 998,389,255 yards and 942,308,391 yards for the same period of 1934. This shows an increase of production of 587,388,107 yards of hessian and 255,345,976 yards of sacking in 1937 over 1934 for the ten months.

EXPORT FIGURES.

The figures for export and the values realised therefrom of the chief jute manufactures during the last few years will be interesting.—

| | Quantity of Exports. | | | | | |
|------------|----------------------|-------|-------|-------|-------|-------|
| | 1931 | 1932 | 1933 | 1934 | 1935 | 1936 |
| | -32 | -33 | -34 | -35 | -36 | -37 |
| | (in lakhs of bags). | | | | | |
| Jute Bags. | | | | | | |
| Hessians | 8.39 | 8.89 | 9.33 | 10.02 | 11.22 | 14.37 |
| Sackings | 30.46 | 32.62 | 30.83 | 32.28 | 34.67 | 92.37 |

TRADE TERMS & ABBREVIATIONS: Unique collection alphabetically arranged. Price As. 4. Industry Book Dept., Shambazar, Calcutta.

Y. B. 15

bags and cloth. To cope with this demand, the capacity of the existing mills was not only strengthened by increasing the number of spindles and looms but also new mills were started. There was an industrial boom during the war when a strong demand for sand bags suddenly sprang up and the jute mills enjoyed a very prosperous time and further gained in number. But with the passing of the boom period and settling in of the economic depression the jute mills found themselves in a difficult position. Their production was far in advance of the world's demand with the consequence that the stocks accumulated in the factory warehouses and the prices began to go down. Artificial measures to maintain the price were sought to be put into practice but failed.

An Agreement was reached between the members of the Indian Jute Mills Association and the non-Association Mills regarding the restriction of mill production. The basis of the agreement was, (1) The four non-Association mills, namely, the Agapara, the Adamjee, Ludlow and the Gagalbhai, are to work for 54 hours per week and with the full complement of looms; (2) The Association mills with the exceptions of Hanuman, Piemchand, Craig, Waverley, Megna and Nuddea are to work for 10 hours per week, with 15 per cent of their looms sealed up and the six mentioned are to work 54 hours, (3) That the mills will not instal any extra productive machinery or relative buildings during the currency of the agreement. During the period of this agreement, however, further mills were built and productive capacity was unnecessarily increased, and still further extension of productive power continues. A number of jute mills outside the Association group, in Bengal and neighbouring provinces who were not bound down by the restriction agreement violated the basic principles underlying the agreement and precipitated a grave crisis in the market. It was for this reason that the Indian Jute Mills Association approached the Government of Bengal to assist the industry in meeting the danger that was imminent through over-production. The Association urged upon the Government, the need for some sort of legislative sanction behind the restriction scheme, so that it could be uniformly enforced throughout India. The Association moved the Government for (1) Statutory restriction of working hours, with a view to equating production at least to the highest recorded demand, (2) Statutory prohibition of further extension of productive machinery. The Government in their reply pointed out that taking into consideration the highest demand ever reached so far, it could be satisfied by one-third of the existing mills and advised the mills to put their house in order. Furthermore there were a number of mills which were in a stronger financial position at the present time. Hence before endeavouring to enforce through legislation a universal scheme of restriction of production, the Government of India would seem to require definite assurances upon three important aspects of the problem. In the first place, assurance seemed to be needed that the restriction scheme would be acceptable to a majority of mills. In the second place, that, side by side with the adoption of a scheme of restriction, the jute mills of India would be willing to put into progressive effect a scheme of rationalisation. And in the third place—and this naturally seemed to be the most important consideration weighing with Government—that the adoption of a scheme of restriction would not militate against the interests of the cultivators. On a satisfactory plan being put forward, further discussions on the subject took place with the members of the Indian Jute Mill Association with the Government of India in Delhi and in Calcutta, but these proved abortive in as much as the Government did not see their way to adopt any scheme of restriction.

TRADE TERMS & ABBREVIATIONS: Unique collection alphabetically arranged. Price Rs. 4. Industry Book Dept., Shambazar, Calcutta.

The best customer for India's gunny bags, both sacking and hessian, was Australia, which took in all 79,570,564 bags, the largest number taken in the last three years. A close second was the United Kingdom, which accounted for 70,166,939 bags, which also was the largest number received in the last three years by that country. Other important customers in the order of their share of the exports were Japan, Union of South Africa, Egypt, Java, French Indo-China, Siam, West Africa, and Hawaii. The share of the U.S.A. was only 16,374,000 bags. The pride of place for receipts of sacking bags only also goes to Australia, and for the first time the second place was taken up by Japan. As regards hessian bags, the United Kingdom led with 48,138,756 bags and the second best customer was Hawaii, who took 20,342,900 bags.

Gunny Cloth.

The total exports of gunny cloth during the year, 1st April, 1936 to 31st March, 1937, amounted to 1,709,699,462 yards valued at Rs. 15,47,17,289, which was also the largest quantity sent for the period during the last three years. It was the U.S.A. which took the largest quantity of 1,040,042,474 yards while the Argentine Republic's share which was second, was 273,723,782 yards; that of the U. K. was 122,997,721 yards. Unlike in gunnies, the demand for hessian and jute cloth is more, and the largest consumer of India's hessian cloth during 1936-37 was, as in the case of the total cloth, the U.S.A., which accounted for 1,038,780,564 yards. The Argentine Republic took 267,369,390 yards, while the United Kingdom received 123,708,500 yards. Of the different countries, only Peru took during 1936-37 the lowest quantity for the twelve-month period for the last three years. In fact that country's receipts showed a gradual decrease from 3,926,000 yards in 1934-35 to 3,899,500 yards in 1935-36, and 3,618,000 yards in the year under review. Norway's share was less than in 1935-36, but much more than in 1934-35. In the case of Ceylon, though the year's takings do not constitute the highest quantity for the last three years, they represent a distinct improvement over the previous year, when there was a considerable falling away in her receipts from the 1934-35 figure.

Other Manufactures.

Rope and twine, and other jute manufactures exported during 1936-37 amounted to 175,351 cwts, and were valued at Rs. 27,28,234. The total of jute manufactures came to 971,635 tons, valued at Rs. 27,94,37,765, as against 752,017 and 684,718 tons, valued at Rs. 23,48,94,513 and Rs. 21,46,83,177, during the years 1935-36 and 1934-35, respectively. The total value of jute exports, raw as also manufactured, was Rs. 42,71,47,444, which compares with Rs. 37,19,70,863 in 1935-36 and Rs. 32,33,94,093 in 1934-35. It will be seen, therefore, that the jute trade during 1936-37 was the best that has been recorded for a number of years.

| Particulars | Quantity | | Value | |
|--------------------------|--|-------------|--------------|--------------|
| | (Twist & Yarn in lbs., all others in tons). | | (in Rupees) | |
| | 1935-36 | 1936-37 | 1935-36 | 1936-37 |
| Twist and Yarn | 50,34,046 | 1,13,45,523 | 5,09,774 | 10,59,926 |
| Sacking Gunnies | 3,71,566 | 4,51,056 | 8,98,57,695 | 9,78,24,051 |
| Hessian Gunnies | 54,160 | 64,778 | 2,02,88,646 | 2,31,08,265 |
| Sacking Cloth | 18,081 | 19,037 | 49,56,997 | 46,85,450 |
| Hessian Cloth | 2,99,890 | 4,22,932 | 11,74,16,038 | 15,00,31,839 |
| Other manufactures | 6072½ | 87671 11/20 | 18,65,363 | 27,28,234 |
| Total Jute manufactures, | 7,52,017 | 9,71,635 | 23,48,94,513 | 27,94,37,765 |
| Raw Jute | 7,71,324 | 8,20,591 | 18,70,76,850 | 14,77,09,679 |

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| | 1931 | 1932 | 1933 | 1934 | 1935 | 1936 |
|-------------------|-------|-------|---------|---------|---------|---------|
| | -32 | -33 | -34 | -35 | -36 | -37 |
| Jute Cloth | | | | | | |
| Hessians | 99.57 | 98.63 | 1,01.77 | 1,03.06 | 1,18.24 | 1,67.10 |
| Sackings | 2.54 | 2.54 | 3.48 | 3.29 | 3.59 | 3.89 |

Value of Exports.

| | (in lakhs of Rs) | | | | | |
|-------------------|------------------|------|-------|-------|-------|-------|
| Jute Bags. | | | | | | |
| Sackings | 9.36 | 9.53 | 8.03 | 8.40 | 8.99 | 9.78 |
| Hessian | 1.58 | 1.63 | 1.69 | 1.85 | 2.03 | 2.31 |
| Jute Cloth | | | | | | |
| Sackings | 40 | 38 | 46 | 42 | 50 | 47 |
| Hessian | 10.05 | 9.86 | 10.93 | 10.57 | 11.74 | 15.00 |

The chief purchasers of jute bags and jute cloth with their respective imports will be found from the following table —

| | 1931 | 1932 | 1933 | 1934 | 1935 | 1936 |
|------------------------|-------------|-------|------|------|------|------|
| | -32 | -33 | -34 | -35 | -36 | -37 |
| Bags. | | | | | | |
| | (in lakhs). | | | | | |
| U K | 4.75 | 4.65 | 4.51 | 4.80 | 5.13 | 7.03 |
| Continent | 3.03 | 2.27 | 2.60 | 2.06 | 2.51 | 3.93 |
| Egypt | 1.43 | 1.28 | 1.75 | 1.90 | 2.35 | 2.69 |
| S Africa | 1.82 | 1.81 | 1.54 | 2.40 | 2.49 | 2.86 |
| E Africa | 2.01 | 2.28 | 2.35 | 2.51 | 2.81 | 3.37 |
| Australia | 7.42 | 10.49 | 8.76 | 6.68 | 7.45 | 9.29 |
| Java | 2.96 | 1.36 | 1.28 | .99 | 1.30 | 2.67 |
| Japan | .46 | .84 | .62 | 1.82 | 1.97 | 3.03 |
| Far East | 6.55 | 7.09 | 6.58 | 8.24 | 7.74 | 8.24 |
| S America | 1.17 | 1.65 | 3.14 | 1.79 | 1.79 | 2.34 |
| C America | 2.74 | 2.40 | 2.44 | 3.17 | 3.21 | 3.64 |
| Other Countries | 4.51 | 4.79 | 4.59 | 5.99 | 7.17 | 7.65 |

TOTAL

| | | | | | | |
|------------------------|-------------------|-------|-------|-------|-------|---------|
| | 38.85 | 41.51 | 40.16 | 42.29 | 45.89 | 56.74 |
| | 1931 | 1932 | 1933 | 1934 | 1935 | 1936 |
| | -32 | -33 | -34 | -35 | -36 | -37 |
| Cloth. | | | | | | |
| | (in lakhs of yds) | | | | | |
| U K | 6.22 | 5.75 | 5.16 | 4.94 | 8.57 | 13.30 |
| Canada | 6.33 | 6.55 | 8.01 | 6.84 | 7.54 | 9.99 |
| Australia | 1.99 | 2.48 | 1.99 | 2.41 | 2.65 | 3.01 |
| U S A | 69.24 | 54.88 | 64.72 | 60.99 | 77.50 | 1,04.00 |
| Argentina | 10.49 | 23.75 | 16.96 | 22.92 | 16.63 | 27.37 |
| Other Countries | 7.84 | 7.76 | 8.42 | 8.25 | 8.94 | 13.32 |

TOTAL 1,02.11 1,01.17 1,05.26 1,06.35 1,21.83 1,70.99

Exports record a revival after a heavy decline during the last three years due to the world's economic depression

Twist and Yarn.

Exports of twist and yarn for the twelve months ended 31st March, 1937, were 11,345,528 lbs, valued at Rs 10,59,926, and such represented the total of the exports during the previous two years, both as regards quantity and value

Gunnies.

Altogether 567,382,058 gunny bags, the largest number sent in any year during the last three years, were exported during the year under review, and these were valued at Rs 12,09,32,316 In 1935-36, these amounted to 458,900,246 bags, valued at Rs 11,01,46,341, and in 1934-35 to 422,943,306 bags of the value of Rs 10,25,31,544 Of these, sacking gunnies alone numbered 423,682,740, the hessian gunnies being only 143,699,318 in number

Sugar Making pays in these days Read **SUGAR IN INDIA** Rs. 3/6.
INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

both the manufacturing and the raw jute sections of the trade as the growing accumulation of stocks of hessian in Calcutta is bound, sooner or later, to land the whole industry in a serious crisis. An agreement between the outside and the Association mills still seems no nearer than it was last year and the point has almost been reached when mills can make no profits by selling their manufactured goods at the prices prevailing in the market at present. Conditions in the manufacturing section would have been still worse had it not been for the great demand for bags on account of the armament programme which is being pushed by all the prominent powers of the world.

Regarding raw jute section it was pointed out by the chairman that although Government gave out as their forecast for the season's jute crop, a figure of 87 lakhs of bales, trade still believes that it was an under-estimate, and that the crop is likely to exceed a crore of bales. The Government of Bengal issued a communique to the effect that they have decided to carry on propaganda for a voluntary restriction of jute sowings during the ensuing year and that they had further decided that the cultivator should be asked to produce a crop of last year's dimension. It is regrettable that Government while issuing this communique did not take into consideration the fact that their announcement was likely to be interpreted in different ways by different sections of the trade. They also ignored the fact that while their official estimate of the crop was 87 lakhs, the trade figure for the crop was more than a crore of bales. It was not at all made clear as to what figure the Government had in their mind when they issued their communique about the extent of restriction next year. "They must, however, bear in mind that since their communique was issued, signs of a declining tendency in the world's trade have made their appearance. With the local jute mill industry facing a serious unremunerative competition and with a substantial portion of the Dundee mills remaining idle, the prospects before the raw jute industry are by no means as hopeful as they were at this time last year. In fairness to the trade the Government must make it clear, beyond any reasonable doubt, as to what they really mean by the term last year's crop."

It is therefore satisfactory that the Bengal Government, is now planning, with the assistance of the Central Jute Committee, a better survey of the area under jute cultivation in the Province and its yield, than has been done in the past.

Two methods will be adopted for this purpose, the first of which will be to take a census of the plots sown each year, and the other to obtain an estimate of the area sown, by the system of random sampling survey. By the second method it may be possible to measure the area of a limited number of plots selected entirely at random and then calculate the whole area sown.

This is claimed to be the latest principle of statistics applied to this important problem of ascertaining every year the acreage under jute cultivation.

One of the first agricultural research laboratories that will deal with jute is under process of construction near the Central Farm, Dacca. It is expected to be completed in March or April, and the staff will be recruited early this year.

A technological research laboratory for jute is also being built up at Tollygunge, and the first portion of the laboratory, which will include experimental spinning mills and testing laboratory, will be completed by May. The second part of the scheme, which will comprise the research laboratory proper, will, it is expected, be in working order before the coming monsoon.

Start A New Industry! Read MANUFACTURE OF RUBBER GOODS.
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Exports show further improvement during the nine months ending December, 1937. During this period the exports of rope and twine, etc amounted to 2,40,058 cwts valued at Rs. 34,27,915 which exceeds even the total value of the exports in this line during 1936-37. Exports of total jute manufactures, including twist and yarn aggregated 799,121 tons valued at Rs 22,86,57,037 for the nine months ending 31st. December, 1937. The total value of both raw jute and jute manufactures exported during the same period amounted to Rs. 34,58,59,946.

During the nine months, 1st April to 31st December, 1937, the best customer for hessian cloth and sacking cloth were the U. S. A. and the United Kingdom, respectively, but, in the latter case, there has been a steady increase, whereas in regard to the former the 1937 figures are lower than the 1936 figures for the corresponding period. Receipts of hessian cloth by the United Kingdom also increased steadily from 47,540,010 yards in 1935 to 84,223,242 yards in 1936 and to 101,812,293 yards in the year 1937. Total receipts of hessian cloth by this country in 1937 aggregated 108,970,999 yards out of a total export from British India of 1,250,545,082 yards. A similar improvement in offtake is noticeable in the case of Egypt also, although Egypt's receipts of hessian cloth have not been as steady. Several other countries, however, steadily increased their takings of hessian cloth a notable instance of which is the Irish Free State. The Straits Settlements, the Phillippines, Canada, Uruguay, and New Zealand were the other countries which showed a similar improvement.

PRESENT SITUATION.

The demand for jute and jute goods during the year just closed continued strong and there was also an abundant supply of raw material. But in the matter of prices the industries cannot be stated to have had the best of it due to over-production. It is regrettable that "while all other branches of trade and commerce have witnessed prosperous periods, almost resembling war-time booms, the jute mill industry has got stuck up in such a morass of depression and over-production that it is impossible to foretell what its ultimate fate is going to be. A period which ought to have been a period of great prosperity and high prices due to abnormal demand, for jute products, has, on the contrary, been converted into a period of the worst depression on account of mutual quarrels and want of agreement."

The world's actual consumption of raw jute last season was just over 11,500,000 bales and it should certainly not be any less this season. Already about 6½ million bales have been received from the present crop, leaving at least 4½ million bales to come forward during the remaining six months of the season. In that period last season, from 1st January to 30th June, 1937, there were approximately 4,000,000 bales imported into Calcutta. A good deal is stated this season about the growers being able to withhold their supplies and feeding the market, in accordance with demand, so that there is every probability of a substantial quantity of fibre remaining up-country, which may amount to at least 4½ million bales and sufficient to meet the requirements of the current season.

Stock of U. S. A. hessian stocks at the end of December, 1937 were 205 million yds spot and 144 million yds afloat

Referring to the prospects of the jute industry, Chairman of the East India Jute Association presiding over its tenth Annual General Meeting stated:—

The demand for raw jute during the year under review has been so far satisfactory but the steady fall in the price of manufactured goods has created conditions which cannot but cause great anxiety to

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EFFECT OF THE EXCISE DUTY.

In consequence of the excise duty imposed under the Sugar (Excise Duty) Act, 1934, on different sections of the sugar industry, the putting up of new cane factories has almost come to a stop, whilst many of these existing factories have made, or are contemplating, additions to their plants with the object of increasing their capacity and efficiency and so lowering the cost of production. The production of sugar by Gur refineries and Khandsaris has also shown a marked reduction.

AREA UNDER SUGAR CANE.

India has now got the second largest area under cane cultivation as compared to any other country of the world. It is at present about 44 million acres, which is equal to one quarter of the total acreage of sugar cane of the world. The area shown is estimated at 4,431,000 acres for 1936-37 the year under survey, as against 4,020,000 acres in the previous year. Out of total production of sugarcane seventy-six per cent of the produce comes from a broad strip of the Indo-Gangetic plain, lying alongside the Himalayas and stretching from Gurdaspur (Punjab) on the west to Darbhanga (Bihar) on the East. The principal sugar area lies in the United Provinces as well as that portion of Bihar, lying north of the Ganges. Sugarcane is a crop that depends considerably on precipitation. Instead of thriving in the submontane southern peninsula of India, where irrigation is naturally difficult, the crop has found congenial soil in the north which presents a net work of irrigational works.

The following table shows the area under sugar cane in the principal sugar cane bearing tracts of India.

| Provinces and States | 1933-34 | 1934-35 | 1935-36 | 1936-37 |
|----------------------|------------------------|--------------|--------------|--------------|
| | (area in 1,000 acres). | | | |
| U. P. | 1,734 | 1,840 | 2,249 | 2,519 |
| Punjab | 466 | 462 | 474 | 551 |
| Bihar & Orissa | 418 | 445 | 447 | 460 |
| Bengal | 257 | 276 | 325 | 355 |
| Madras | 120 | 122 | 119 | 122 |
| Bombay | 103 | 114 | 122 | 126 |
| N-W. F. P. | 49 | 43 | 59 | 72 |
| Assam | 35 | 35 | 37 | 38 |
| C P. & Berar | 29 | 29 | 30 | 30 |
| Orissa | — | — | 31 | 30 |
| Mysore | 42 | 46 | 51 | 52 |
| Hyderabad | 46 | 51 | 59 | 58 |
| TOTAL | 3,308 | 3,477 | 4,020 | 4,431 |

Out of this 4,431,000 acres under sugar cane about 2,000,000 acres are under improved varieties of cane. These improved varieties originally bred at Coimbatore have shown their unmistakable superiority over the indigenous types and their cultivation is rapidly increasing. This is a move in the right direction which is bound to increase the output of sugar in India.

OUTPUT OF GUR.

The total yield of gur or raw sugar from the sugarcane grown in India is given by the following table —

| Provinces and States | 1933-34 | 1934-35 | 1935-36 | 1936-37 |
|----------------------|------------------------|---------|---------|---------|
| | (Yield in 1,000 tons). | | | |
| U. P. | — | 2,570 | 2,758 | 3,336 |
| Punjab | — | 364 | 326 | 360 |
| Bihar | — | 623 | 673 | 635 |
| | | | | 675 |

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INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

INDIAN SUGAR INDUSTRY.

THE remarkable development that has taken place in the sugar industry is too recent to have escaped anybody's notice 20 years ago India imported large quantities of sugar from Java and the number of sugar factories operating in North India could have been counted on one's fingers' ends, but to-day there are over 140 sugar factories working in India. In season 1931-32 there were 31 factories in operation producing 158,581 tons of sugar whereas in 1936-37 the number had risen to 150 and the quantity of sugar made to 1,128,900 tons. The importation of sugar into this country has considerably gone down, and time is not distant when India might even be able to export sugar.

EFFECT OF PROTECTION.

The custom tariff on sugar has contributed considerably to this result. In fact the effect of the protective duty has been nowhere more salutary than in the case of sugar industry. As a result of the recommendations made by the Indian Tariff Board, the Sugar Industry (Protection) Act of 1932 was passed in April, 1933. Thereby the industry was accorded protection for a period of seven years ending 31st March, 1938. It was also agreed upon to grant further protection for eight years if the industry still needed support and for this purpose a fresh enquiry was to be made before 1938. The rate of import duty on sugar of all classes was fixed at Rs 7-4 per cwt or Rs 5-5-3 per maund. In addition to this there was also a surcharge of Re. 1-13 per cwt. or Re. 1-5-3 per md of imported sugar. The total protection thus came to Rs 9-1 per cwt or Rs. 6-10-6 per maund. The sugar industry in India thus enjoyed protection to the unprecedented extent of approximately 200 per cent.

Consequent on the high degree of protection afforded to the industry, a great deal of public interest was concentrated since 1932 on the setting up of factories for the manufacture of sugar in different parts of India, notably in the United Provinces and Bihar. There was an immediate response from investors and an influx of capital into the domestic sugar industry. A moderate estimate of the capital invested in the 106 factories built since 1932 appears to be 15 crores and the total capital sunk including the pre-protection factories will be in the neighbourhood of 20 crores.

Already the newly established factories have begun work and the output of sugar has gone up immensely. It is considered by eminent authorities that the production will exceed consumption very shortly. The imports in the meantime have gone down. While these amounted to 893,404 tons in 1930-31, these declined to 223,000 tons in 1934-35. But before the industry could stand on its legs, it was burdened with an excise duty since April, 1934. This was fixed at 10 annas on Khandasani sugar and Re 1-5 per cwt on all other sugar except palmyra sugar. The effective protection was thus reduced to Rs 7-12-0 per cwt or Rs 5-11-1 per maund. Beginning as from 1st. April, 1937, a further excise of As 11 per cwt. making the total excise of Rs 2 per cwt. or Re 1-7-6 per maund was imposed on all factory-made sugar in opposition to the united protest by the commercial community.

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| United Provinces. | | | | |
|-------------------------------------|-------|-----------|-----------|-----------|
| Particulars. | | 1934-35 | 1935-36 | 1936-37 |
| Number of factories worked | — | 65 | 67 | 68 |
| Cane crushed | Tons. | 3,685,000 | 5,533,000 | 6,304,180 |
| Sugar produced | — | 315,600 | 530,000 | 608,640 |
| Molasses produced | — | 125,500 | 182,600 | 207,930 |
| Recovery of sugar per cent. cane | — | 8.56 | 9.60 | 9.65 |
| Recovery of molasses per cent. cane | — | 3.40 | 3.30 | 3.30 |

| Bihar. | | | | |
|-------------------------------------|-------|-----------|-----------|-----------|
| Particulars. | | 1934-35 | 1935-36 | 1936-37 |
| Number of factories worked | — | 34 | 35 | 33 |
| Cane crushed | Tons. | 2,092,884 | 2,803,000 | 3,579,520 |
| Sugar produced | — | 184,038 | 250,200 | 329,260 |
| Molasses produced | — | 17,878 | 97,200 | 133,650 |
| Recovery of sugar per cent. cane | — | 8.79 | 8.93 | 9.20 |
| Recovery of molasses per cent. cane | — | 3.53 | 3.46 | 3.70 |

Bombay, Madras (Including Orissa) and the Punjab.

| Particulars | 1935-36. | | | 1936-37. | | |
|-------------------------------------|----------|---------|---------|----------|-------------------|---------|
| | Bombay. | Madras. | Punjab. | Bombay. | Madras and Orissa | Punjab. |
| Number of factories worked | 6 | 8 | 4 | 6 | 11 | 5 |
| Cane crushed Tons | 283,000 | 191,380 | 112,868 | 357,530 | 231,850 | 164,350 |
| Sugar produced " | 29,650 | 17,570 | 8,880 | 38,200 | 21,100 | 14,600 |
| Molasses produced " | 9,500 | 8,370 | 4,600 | 11,970 | 9,730 | 5,000 |
| Recovery of sugar per cent. cane | 10.47 | 9.14 | 7.87 | 10.68 | 9.10 | 8.88 |
| Recovery of molasses per cent. cane | 3.35 | 4.30 | 4.10 | 3.34 | 4.20 | 3.04 |

Bengal, Indian States and Burma.

| Particulars | 1935-36 | | | 1936-37. | | |
|-------------------------------------|---------|---------------|---------|----------|---------------|---------|
| | Bengal | Indian States | Burma | Bengal | Indian States | Burma |
| Number of factories worked | 6 | 9 | 2 | 6 | 8 | 3 |
| Cane crushed Tons | 295,000 | 435,000 | 148,500 | 279,520 | 770,200 | 186,630 |
| Sugar produced " | 24,000 | 38,600 | 13,200 | 24,170 | 75,380 | 17,550 |
| Molasses produced " | 11,000 | 16,600 | 7,258 | 10,360 | 27,680 | 8,320 |
| Recovery of sugar per cent. cane | 8.19 | 8.70 | 8.90 | 8.64 | 9.78 | 9.40 |
| Recovery of molasses per cent. cane | 3.87 | 3.60 | 4.90 | 3.70 | 3.59 | 4.45 |

Total Production of Sugar and Molasses by Factories in India.

| | 1933-34 | 1934-35 | 1935-36 | 1936-37 |
|-------------------------------------|---------|-----------|----------------|-----------|
| | | | (figs in ton). | |
| Cane crushed | — | 5,157,373 | 6,672,080 | 9,801,748 |
| Sugar produced | — | 453,965 | 578,115 | 1,128,900 |
| Molasses produced | — | 190,384 | 233,832 | 337,128 |
| Recovery of sugar per cent. cane | — | 8.80 | 8.66 | 9.29 |
| Recovery of molasses per cent. cane | — | 3.68 | 3.50 | 3.43 |

It will be observed from the above table that the quantities of cane crushed and sugar and molasses manufactured in India during 1936-37 were considerably larger than those in 1935-36

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| Provinces and States | 1933-34 | 1934-35 | 1935-36 (Yield in 1,000 tons). | 1936-37 |
|----------------------|--------------|--------------|-----------------------------------|--------------|
| Bengal | 457 | 492 | 560 | 654 |
| Madras | 325 | 321 | 329 | 339 |
| Bombay | 270 | 266 | 316 | 305 |
| N-W F P | 54 | 43 | 63 | 78 |
| Assam | 40 | 34 | 37 | 38 |
| C P. & Belar | 48 | 47 | 48 | 48 |
| Orissa | — | — | 51 | 49 |
| Mysoie | 41 | 43 | 53 | 57 |
| Hyderabad | 72 | 93 | 99 | 124 |
| TOTAL | 4,872 | 5,085 | 5,908 | 6,717 |

The number of new factories which were added for working during the season 1936-37, was only six as against two, and 11, respectively in the two previous years.

The above table shows that the production of gur in India has increased considerably during the last three years ending 1936-36

PROVINCIAL DISTRIBUTION OF FACTORIES.

150 factories making sugar direct from cane worked during the season 1936-37, 119 out of them being old factories and the rest new ones. The following table shows the provincial distribution of factories working with cane during the last five seasons —

| | 1931 | 1932 | 1933 | 1934 | 1935 | 1936 |
|----------------|-----------|-----------|------------|------------|------------|------------|
| U P | 32 | 33 | 34 | 35 | 36 | 37 |
| Bihar & Orissa | 14 | 33 | 60 | 65 | 67 | 68 |
| Punjab | 12 | 19 | 33 | 34 | 35 | 34 |
| Madras | 1 | 1 | 6 | 6 | 4 | 5 |
| Bombay | 2 | 2 | 4 | 8 | 8 | 10 |
| Bengal | 2 | 1 | 5 | 5 | 6 | 6 |
| Burma | 1 | 1 | 2 | 2 | 2 | 3 |
| Indian States | — | — | 1 | 5 | 9 | 8 |
| TOTAL | 32 | 57 | 112 | 130 | 137 | 140 |

The United Provinces registered the largest increase, the number of factories in the province being exactly half of the total number working in India during the season. Three factories were built in Bengal and one in an Indian State. Bombay is the only province in which no new factory was built during the year.

OUTPUT OF SUGAR.

In addition to raw sugar or gur, India produces a quantity of sugar in the modern factories and refineries. The following is culled from the note issued by the Sugar Technologist, Imperial Council of Agricultural Research.

The production of sugar direct from cane in India totalled 1,128,900 tons during the season 1936-37 as against 912,100 tons during 1935-36. The total increase in the output of sugar during the season 1936-37 over that of the previous year amounts to 216,860 tons.

The tables below show details of sugar production for factories in (a) the United Provinces, (b) Bihar and Orissa, (c) Bombay, Madras, the Punjab, Bengal, Indian States and Burma, and (b) India as a whole.

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Indian States and Burma were also considerably larger in comparison with previous season.

The all-Indian increase in the quantity of cane crushed and sugar manufactured amounts to about 21 and 24 per cent. respectively. This substantial increase in the production of sugar in a single year is chiefly attributed to the considerably longer duration of the season due to the impetus of the reduction of cane price in the United Provinces and Bihar in April, 1937.

DURATION OF SEASON.

The crushing season, particularly in the United Provinces and Bihar, commenced later than the previous season. The crushing season 1935-36 began by the middle of November while the season 1936-37 began towards the end of November and the beginning of December.

In all other Provinces five factories commenced crushing as early as in the first and second week of October. The season in the United Provinces and Bihar was comparatively late, the majority of factories having commenced crushing at the end of November and in the beginning of December.

The majority of factories for the season 1935-36 stopped crushing by the end of April, while the majority for the season 1936-37 worked till the middle of May.

One factory in South India worked for 9 to 10 months.

The factories in Bihar worked up to the beginning of June, while one factory each in the United Provinces and in other Provinces continued to work up to the end of June.

The average number of working days for the whole of India during the season is 138 against 126 last year. The average number of working days in all the Provinces, particularly in Bihar, during the season was considerably higher than that of the previous year.

The season 1936-37 was of longer duration than the previous season. Fifty-three factories worked for over 150 days as against 30 factories in the last season. One factory in the United Provinces worked for over 200 days, while it is particularly noteworthy for Bihar than all the factories in this Province worked for over 125 days.

The average daily cane crushing capacity of factories during the season 1936-37 was much higher than that in the previous year. This is of special importance, bearing in mind the fact that the season was of considerably longer duration than in the previous one. The mean crushing capacity of the U P, Bihar and all other Provinces was 680 tons, 730 tons and 400 tons, respectively as against 615 tons, 646 tons and 374 tons in the previous year. The mean for the whole of India was 620 tons as against 568 tons in the previous year.

IMPORTS OF SUGAR.

During the fiscal year 1936-37, the total importations of sugar into British India amounted to 23,075 tons, as compared with 201,158 tons in 1935-36, and 223,142 tons in 1934-35. Of the 23,075 tons of sugar, 1,950 tons constituted beet sugar, Netherlands being the major supplier with 1,649 tons. In the total imports the share of Sind was the highest at 6,753 tons. Bengal came next with 6,311 tons, and Bombay, which stood third in the list, took only 5,312 tons. The share of Madras was the lowest at 773 tons.

INTERNATIONAL SUGAR CONFERENCE.

One event of outstanding importance to the sugar industry is the conclusion of the International Sugar Conference. The terms settled at the Conference include —

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The all-India increase in the quantity of cane crushed was over 21 per cent and in that of sugar produced 24 per cent, respectively.

Production of sugar refined from gur and of khandasari sugar amounted to 18,500 tons and 100,000 tons, respectively. This makes a total of 1,247,400 tons of all kinds of sugar.

RECOVERY OF SUGAR.

The highest recovery for the season was 11.43 per cent as against 11.34 per cent during the preceding season. The average extraction for Bihar the whole of India shows a very substantial increase, the figure being 9.20 and 9.50 for 1936-37 as against 8.93 and 9.29 for 1935-36.

The average extraction percentage shows a marked increase in the United Provinces, the figure being 9.65 per cent, as against 9.60 per cent during the previous year, in Bihar the recovery rose from 8.93 per cent in 1935-36 to 9.20 per cent in 1936-37.

Out of 140 factories, 95 had recoveries of 9 per cent. and over, and 31 factories had recoveries of 8 per cent and over. In Bombay two factories had recoveries of over 11 per cent. The majority of factories in the United Provinces and Bihar had recoveries of 9 per cent and over.

The recovery of sugar in new factories was, on the whole, satisfactory though the figures for a few factories were very low.

A review of the average percentage recovery of sugar from cane during the last six seasons is given below.—

| | Recovery of Sugar per cent (Cane) | | | | |
|------------------|-----------------------------------|---------|---------|---------|---------|
| | 1932-33 | 1933-34 | 1934-35 | 1935-36 | 1936-37 |
| United Provinces | 8.55 | 9.08 | 8.56 | 9.60 | 9.65 |
| Bihar | 8.60 | 8.32 | 8.79 | 8.93 | 9.20 |
| Other Provinces | 9.90 | 8.75 | 8.77 | 9.00 | 9.60 |
| All-India | 8.66 | 8.80 | 8.66 | 9.29 | 9.50 |

OUTPUT DURING LAST DECADE.

The following table brings together all-India figures for sugar production for the last 12 years. For comparison figures for recovery of sugar in Java have also been shown side by side.

| Season | Number of Factories producing sugar direct from Cane | Cane Crushed (Tons) | Sugar Produced in Tons | Per-cent Recovery for India | Per-cent Recovery for Java |
|---------|--|---------------------------|------------------------------|-----------------------------------|----------------------------------|
| 1924-25 | 23 | 433,621 | 33,805 | 7.79 | 12.38 |
| 1925-26 | 23 | 659,400 | 52,990 | 8.03 | 12.38 |
| 1926-27 | 25 | 742,368 | 62,941 | 8.47 | 10.85 |
| 1927-28 | 26 | 786,476 | 67,684 | 8.60 | 11.62 |
| 1928-29 | 24 | 791,361 | 68,050 | 8.59 | 12.16 |
| 1929-30 | 27 | 989,776 | 89,768 | 9.07 | 12.42 |
| 1930-31 | 29 | 1,317,248 | 119,859 | 9.09 | 11.43 |
| 1931-32 | 32 | 1,788,499 | 158,581 | 8.89 | 11.92 |
| 1932-33 | 57 | 3,350,231 | 290,177 | 8.66 | 11.16 |
| 1933-34 | 112 | 5,157,373 | 453,965 | 8.80 | 12.64 |
| 1934-35 | 130 | 6,672,030 | 578,115 | 8.66 | 12.35 |
| 1935-36 | 137 | 9,801,748 | 912,100 | 9.29 | 13.21 |
| 1936-37 | 140 | 11,878,780 | 1,128,900 | 9.50 | 11.72 |

It will be observed that the quantities of cane crushed and sugar manufactured by the factories in the United Provinces and Bihar during 1936-37 were considerably larger than in 1935-36. The quantities of cane crushed and sugar manufactured in Bombay, Madras, the Punjab,

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and the lowest was on 1st June Rs 5-14-3. Compared with the previous year the opening prices were approximately Re. 1-8 per maund lower, but the closing prices showed little difference.

The present fall in prices during 1936 continued until the middle of 1937, when the decline was arrested. The pressure of large production was chiefly felt during the early part of the year and it was not until the Indian Sugar Syndicate was formed in July that an improvement in the market conditions became apparent.

This institution which was formed in July, 1937, had proved of material assistance both to the producers and the merchants. Over 90 mills joined the Syndicate which by means of controlled sales had been instrumental in creating a market for the bulk of its members' holdings. It had, however, been found impracticable to continue the Syndicate on a voluntary basis and it is probable that in respect of the current season, it will be recognised by the U. P. and Bihar Government.

The stock at the mills was 35,000 tons in the beginning of the 1936-37 season, while at the beginning of the 1937-38 season it is estimated to be 125,000 tons.

As a result of large production, and in the absence of any satisfactory marketing organisation, sugar prices showed a rapid decline during the last season. The Indian Sugar Syndicate, which was started in July, 1937, for the disposal of the 1936-37 season sugar, helped to produce a healthy tone in the market and to improve the general level of prices.

The cane crop last year was the largest that India has ever produced, and considerable difficulty was experienced by the mills in taking it up, a difficulty accentuated by the increase in Excise Duty. Eventually cane prices had to be reduced, after which most of the crop was crushed by the mills.

Prospects for Next Year.

The prospects of the coming season greatly depend on sugarcane prices, and the control of sugar sales by any organisation.

Except for an area in the central United Provinces, where cane has been attacked by pyrrilla and white-fly, the condition of the crop was reported to be satisfactory. The area under cane cultivation, however, shows a substantial decline and a large proportion of the total area is reported to be under ratta crop this year. Whether crushing will continue till late would naturally depend on standing cane remaining in good condition, which in its own turn will depend on winter rains and freedom from disease.

Assuming normal conditions, and making allowance for the five new factories which are expected to begin working during the next season, and also for extensions made by the existing factories, it is estimated that production of sugar from cane factories should show an increase of 50,000 to 75,000 tons over the last season.

SUGAR CONTROL RULES.

An Inter-Provincial Sugar Control Board has been recently constituted under the Bihar Sugar Factories Control Act:

The following draft rules have been adopted by the Board for the purpose of licensing factories:

An application for a licence to commence the construction of any building intended to be used as a factory shall be filed before the Cane Commissioner who will forward it with his report to the Provincial Government. The Provincial Government shall consult the Board before disposing of the application.

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Of the 22 countries interested, the following are the principal basic tonnages permitted as exports; Holland and her colonies 1,050,000 tons, Cuba 940,000 tons, British Colonies 965,000 tons, Australia 406,000 tons, Peru 330,000 tons, Dominica 400,000 tons, U S S R 230,000 tons and South Africa 209,000 tons

The United States will continue to import from the free market at least as much as at present India will prohibit sea-borne exports to any country other than Burma, while Great Britain will limit her domestic production to 618,000 tons. As regards China, the Council of International Control will be empowered to vary the quotas by a uniform figure, when necessary, provided the Governments concerned unanimously agree

When the talk of the agreement was in the air, there was considerable opposition to the scheme from all quarters. Merchants and commercial associations throughout the land condemned this agreement most emphatically. When the Government brought it before the Assembly during the last Simla session, to get its approval the Assembly very rightly declined to give its consent. On the contrary an amendment to the official resolution requiring that the Agreement be not ratified and that the Government should explore all possible avenues for the export of sugar and take other steps for the purpose of developing export markets both by land and by sea was carried in the Assembly by a large majority.

But it is most regrettable that the Government of India has ratified the Agreement on behalf of India in the teeth of strong opposition from the sugar interests, the general public and indeed even of the Indian Legislative Assembly. It is a great injustice to the Indian sugar industry which has developed so well under the policy of protection and which has well-nigh reached a stage when it must find outside markets for her surplus production of sugar

PRESENT SITUATION.

The production of sugar directly from cane in India has for the first time exceeded one million tons. Compared with production of 912,100 tons in the previous year (1935-36) and of 67,684 tons ten years before (1927-28) the production of 1,128,900 tons during 1936-37 represents increase of over 23 and 1,500 per cent, respectively

These figures constitute an eloquent testimony of the rate at which India has developed its sugar industry and has become self-sufficient in the matter of its supplies of sugar. The quantity of sugar left in stock with the factories when the 1936-37 season commenced is estimated at 135,000 tons. Although the production increased by 216,800 tons during 1936-37, the quantity of sugar to be carried over to the next season is likely to be somewhat smaller than last year, the present estimate being 125,000 tons. The smaller carry-over is due mainly to the almost complete stoppage of imports. Other causes which have contributed to this are a small increase in consumption and a reduction in the production of sugar by gur refineries and khandasaries. Imports of sugar having almost reached the vanishing point, any substantial increase in production now may have a serious effect on the level of sugar prices. That there is a danger of such an increase in production is obvious from the fact that several new sugar factories are either under erection or are projected for erection in the near future and several of the existing factories continue to make additions to their plants

As to prices of Indian sugar during 1937, the highest price in Bihar was Rs 6-15-3 on 1st January, 1937, the lowest being Rs 5-14-3 on 2nd July, 1937. U P's highest price was on 3rd January, namely, Rs 6-12-6

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| | Rs |
|---|-----|
| (a) If the daily crushing capacity of the factory is 1,000 tons or over | 100 |
| (b) If the daily crushing capacity of the factory is 500 tons | 50 |
| For every addition of 100 tons from 500 to 1,000 | 10 |
| (c) If less than 500 tons | 25 |
| The fee for a licence to crush cane and for annual renewal will be as follows.— | |

| | Rs |
|---|----|
| Daily crushing capacity 1,000 tons and over | 50 |
| Daily crushing capacity 500 tons | 25 |
| For every additional 100 tons from 500 to 1,000 | 5 |
| For less than 500 tons | 15 |

WORLD'S POSITION IN SUGAR.

From the latest information received from the Director of the Imperial Institute of Sugar Technology, India, Cawnpore, it appears that the World's production of sugar, both cane and beet, during 1936-37 is estimated by Messrs Willett & Gray, at 30,978,000 tons (21,081,000 tons of cane sugar and 9,897,000 tons of beet sugar), as compared with 28,663,000 tons (18,502,000 tons of cane sugar and 10,161,000 tons of beet sugar) in the preceding season. In Cuba, enough cane will be available for the 1938 grinding to produce at least 4,000,000 tons of sugar. In Louisiana, the production in the coming season is expected to be one of the largest in the history of local industry. In the Hawaiian Island, the final tonnage of sugar is expected to be somewhere near normal, but the total amount of sugar so far produced in the current season, is reported to be considerably below normal. In Porto Rico, the sugar production for 1936-37 is placed at 996,000 short tons (889,000 tons), as compared with 926,000 short tons (827,000 tons) in the preceding year. In Formosa, the total sugar production for 1936-37 is estimated to amount to 972,000 tons. In Mauritius, the sugar production in 1937-38 is estimated at 315,000 tons, raw value, as compared with 285,000 tons in 1936-37. In South Africa, the crop is reported to be badly in need of more rains. In Java, the production of the 1937 sugar crop, the harvesting of which is in full swing, is estimated at 1,405,000 tons, as compared with 683,000 tons last year. In Australia, the prospects of the crop on irrigated areas are reported to be satisfactory, while the position in southern and northern districts is unsatisfactory. The outlook is reported to be generally too uncertain to admit of definite estimates being framed. In the Philippines, the latest estimate of the sugar production for the season 1936-37 is placed at 1,005,000 tons, as compared with 877,000 tons in the previous season. In the Dominican Republic, the sugar production for the current year is reported to be 493,000 short tons (440,000 tons), as compared with 498,000 short tons (445,000 tons) in the preceding year. In Jamaica, the latest estimate of the sugar production for 1936-37 is placed at 107,000 tons, an increase of 15,000 tons over the 1935-36 crop.

In the United States of America, the sugar beet acreage in 1937 is estimated at 778,000 acres, which is approximately the same as that harvested last year, viz., 776,000 acres and 8 per cent more than the average area harvested during the five years ending 1932. The production of beets for the current year is estimated at 8,952,000 short tons. (7,993,000 tons)

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No licence shall be granted for the construction of any building intended to be used as a factory—

(a) unless the site of the proposed factory is at a distance of not less than ten miles from any existing factory

(b) unless the quantity of cane already available within a radius of 10 miles of the proposed site is not less than 60 per cent of the estimated cane requirement of the proposed factory. The estimated cane requirement shall be calculated at 100 times the daily scheduled crushing capacity of the factory:

(c) unless the factory undertakes to build storage accommodation for at least a third of its estimated annual production of sugar. The annual production of sugar shall be calculated at 9 per cent of its estimated cane requirement as determined under (b) above

A licence granted for the construction of any building intended to be used as a factory shall be valid for one year and may be renewed by the Provincial Government from time to time until the construction of the factory is completed

Licence for Extension of the Plant of an Existing Factory.

The owner, occupier or manager of a factory shall submit an application to the Cane Commissioner for a licence to increase its crushing capacity and the Cane Commissioner shall submit the application with his report within one month of receipt of the same to the Provincial Government

No such application shall be granted unless the Provincial Government are satisfied, after consulting the Board, that the extension will materially increase the efficiency of the factory and that additional cane required by the factory is available within a radius of 10 miles from the factory

The licence shall be valid for one year and may be renewed by the Provincial Government from time to time until the extension is completed

Licence for Crushing Cane

Application shall be submitted to the Provincial Government through the Cane Commissioner before the 1st of February, 1938, and on or before the 1st of September in any subsequent crushing season.

A licence granted under section 10 clause 3 of the Act shall be subject to the following conditions—

(a) That the factory shall be a member of the Indian Sugar Syndicate, Ltd., registered under the Indian Companies Act which has been recognised by the Provincial Government under Section 11 (a) of the Act

(b) That the minimum quantity of cane which the factory will crush during the crushing season for which licence is granted shall be 100 times its daily scheduled crushing capacity.

Provided that the condition (b) may be relaxed by the Provincial Government if they are satisfied that the inability to crush the specified quantity of cane was due to circumstances beyond the control of the occupier of the factory

All applications for renewal under Section 10 (4) of the Act shall be filed before the Cane Commissioner who shall renew such licence unless the occupier of a factory has committed a breach of the conditions of the licence for which a penalty has been imposed, in which case he shall refer the matter to the Provincial Government for orders

Licence Fees

The licence fees to be levied under Section 12 of the Act will be on the following scale for a licence or its renewal under Section 9 —

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wana coalfields) as against 22,607,552 tons in 1935. South Africa comes next with 14,607,313 tons (13,359,509 tons in 1935), and then Australia with 11,870,409 tons (10,887,954 tons in 1935).

Of foreign countries, the more important producers are Belgium (27,432,982 tons), Czechoslovakia (27,736,753 tons), France (44,512,354 tons), Poland (29,278,040 tons), and Japan (37,466,800 tons).

The statement given below shows the output of coal in the various Provinces in British India during the years 1935 and 1936.—

| | 1936 | 1935 |
|-------------------|-------------------|-------------------|
| | (in tons.) | |
| Assam | 201,593 | 218,830 |
| Baluchistan | 3,451 | 4,946 |
| Bengal | 6,667,841 | 6,682,752 |
| Bihar | 12,015,205 | 12,409,497 |
| Central Provinces | 1,507,982 | 1,526,690 |
| Orissa | 31,061 | 27,331 |
| Punjab | 156,849 | 144,423 |
| TOTAL | 20,583,982 | 21,014,469 |

The output in Bihar decreased by 394,292 tons, there was an increase of 3,730 tons in the new Province of Orissa; and in Bengal there was a decrease of 14,911 tons. In the Central Provinces the output decreased from 1,526,690 tons to 1,507,982 tons. There was an increase of 12,426 tons in the Punjab and a decrease of 1,495 tons in Baluchistan. There was a decrease of 17,237 tons in Assam.

The figures of output for the principal coal-fields are as follows:—

| Coalfield. | 1936 | 1935 |
|---------------|------------|-----------|
| | (in tons.) | |
| Jharia | 8,830,144 | 9,245,292 |
| Raniganj | 7,305,437 | 7,348,323 |
| Bokaro | 1,417,227 | 1,331,272 |
| Girdih | 698,133 | 708,789 |
| Karampura | 396,083 | 424,586 |
| Pench Valley. | 1,259,133 | 1,214,099 |
| Assam | 201,593 | 218,830 |

The output of the Jharia coalfield decreased by about 4½ per cent., the Raniganj coalfield by about 0·6 per cent., the Karampura coalfield by more than 6 per cent., and the output of the Assam coalfield by about 8 per cent. There was an increase in the Pench Valley coalfield of the Central Provinces of over 3½ per cent. and in the Bokaro coalfield of 6½ per cent. In the Girdih coalfield the output fell by 1½ per cent.

Imports and Exports.

The total imports of coal in 1936-37 were the highest for the last three years at 74,923 tons valued at Rs. 11,31,665, as compared with 59,437 tons valued at Rs. 9,49,124 in 1935-36, and 56,754 tons valued at Rs. 9,17,302 in 1934-35.

Exports of coal during 1936-37, were 249,526 tons, valued at Rs. 20,17,918, which compares with 193,025 tons, valued at Rs. 17,04,445 for the same period in 1935-36, and 308,689 tons valued at Rs. 28,78,683 in 1934-35. Thus it will be seen that though the 1936-37 figures mark an improvement over the previous year, they are still below those for 1934-35.

Despatches.

The despatches of coal were 18,228,134 tons, and 1,169,393 tons, or 5·68 per cent. of the raisings, were consumed on the collieries. The quantity of coal used for coking at the collieries was 1,404,717 tons, and

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INDIA'S MINERAL WEALTH.

THE total value of minerals produced during 1936 in India (including Burma) was nearly £19,500,000, an increase of nearly £81,000 over the previous year's figures, according to records of the Geological Survey of India. The average number of persons employed daily during the year in the production of minerals, for which reliable statistics are available, was nearly 385,000, an increase of over 13,500 over the figure for the previous year. To have a more correct estimate of the amount of employment created by the industry, account should also be taken of the additional employment provided in the transport, smelting and refining industries. The two principal minerals of India are coal and petroleum. In each there was a decrease in the value of output 4.2 per cent in coal and 0.7 per cent in petroleum, though the actual amount of petroleum produced increased to about 335,000,000 gallons, the highest figure yet recorded for the industry. Of the thirteen other minerals, with outputs valued at over £100,000 annually, increases in value were shown by Manganese ore (46.3 per cent), lead and lead-ore (25.6 per cent), mica (14.3 per cent), iron-ore (13.2 per cent), zinc concentrates (6.2 per cent), nickel speiss (5.9 per cent), tungsten concentrates (3.7 per cent), tin concentrates (2.3 per cent), and gold (0.7 per cent), while decreases were shown by silver (32.6 per cent), salt (14.9 per cent), building materials (7.9 per cent), and copper-ore and matte (2.1 per cent).

COAL OUTPUT.

Coal tops the list as the most important mineral of India. As producer of coal in the British Commonwealth, India comes second to the United Kingdom and ranks ninth in the world. Coal output during 1936 was a little over 22,500,000 tons (a decrease of 1.8 per cent in quantity) valued at nearly Rs 6½ crores (£4,700,000). There was a decrease of 13 ples per ton in the pit's mouth value of coal for India as a whole from Rs 2-13-4 in 1935 to Rs 2-12-3 in 1936. The Jharia coal field accounted for 39.05 per cent of India's production, the Raniganj coal field 32.81 per cent, Bokaro 6.27 per cent, Pench Valley 5.57 per cent, Giridih 3.09 per cent, and the other fields less than 3 per cent each.

World coal output in 1936 amounted to 1,420 million tons as compared with 1,300 million tons in 1935. Of this, the British Empire produced 297 million tons in 1936 (288 million tons in 1935), and foreign countries 1,120 million tons (1,010 million tons in 1935). Britain heads the list in Europe with 221,328,387 tons of bituminous coal (215,453,637 tons in 1935). Germany came next with 155,878,404 tons of bituminous coal (140,744,275 tons in 1935), and 159,148,475 tons of brown coal (144,748,744 tons in 1935). Russia follows with 120,896,800 tons (102,177,000 tons in 1935).

The U S A is the greatest coal-producing country in the world. In 1936 the output amounted to 387,563,000 tons of bituminous and lignite coal (332,476,002 tons in 1935) and 48,893,000 tons of anthracite coal (46,570,342 tons in 1935).

Of the Empire countries, Indian output is important next only to that of Great Britain. In 1936, she produced 22,212,457 tons (Gond-

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mines with sand when coal is excavated in order to protect life and coal.

Attention is drawn in the Report to the prospect of the time arriving when India may exhaust her supplies of coal. It states that India now has only enough reserves of all good quality coal to last 122 years, while the reserves of coking coal are only adequate for 62 years. The life of the reserves of all good quality coal in Jharia is placed at 81 years and of coking coal at 57 years. The Committee says that the reserves of coal of inferior quality are practically unlimited.

The Committee emphasises the serious character of the situation created by the dependence of the industry on 'de-pillaring' for securing coal supplies. It points out the significant facts that "during the last 15 or 20 years the percentage of coal obtained from pillars has steadily increased until it now exceeds the percentage taken from galleries" and that "both in the Jharia and Raniganj fields the extraction of pillars has resulted in numerous collapses and fires and in many major accidents involving life." The Committee proposes that a statutory authority should be entrusted with the control of the removal of these pillars. Sand-stowing, under their direction, will enable all these pillars to be extracted with safety, and vast amounts of coal will also be saved. Regarding the statutory authority the Report proposes that it should be an expert body, with an independent Chairman (a senior Government official), the Chief Inspector of Mines, one commercial expert, and three mining experts as members. The commercial and mining experts are to be selected from panels.

The Report deals exhaustively with possible methods of sand-stowing, sources of sand and means of transport. The Committee finds that the supplies of sand in the Damodar, Barakar and Adwai rivers are more than sufficient for all requirements. It gives detailed grounds for concluding that transport of sand by aerial ropeway is the most suitable system for collieries lying at a distance from the rivers. It is suggested that the supply and distribution of sand should be handled by a public supply company, in which Government should hold 51 per cent. of the shares.

Various proposals are made for securing safety. Particular interest attaches to proposals to control the maximum dimensions of galleries in first workings. Other recommendations of interest are that the statutory authority should, after the initial difficulties of control and conservation are surmounted, take the initiative in setting up a central marketing agency and that it should consider the possibility of setting up organisations for the allocation of quota outputs based on ascertained demands and for the fixing of regional prices based on costs of production and freight rates. It is also suggested that the statutory authority should have power to arrange for the amalgamation of small and uneconomic or badly shaped coal properties, to adjust irregular boundaries of mining areas where such boundaries lead to waste of coal in barriers or other difficulties in mining methods and to take over on fair terms and work abandoned mines which may contain underground fires or be in danger of collapse.

Dealing with research, the Committee observes that it is obviously connected with safety and conservation and recommends that a Coal Research Board should be set up under the statutory authority, half of the initial capital expenditure to be met by the Government of India and the other half out of the cess fund.

PETROLEUM.

Although petroleum is the second in importance of India's minerals, India produced only 0.64 per cent. part of the world's output, her

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917,803 tons of soft coke and 97,133 tons of hard coke were made. There was an increase, i.e., 3.06 per cent in the quantity of soft coke manufactured at the collieries for domestic consumption. The quantity of hard coke made at the collieries is small. Most of the hard coke is made at coke-making plants which do not come under the Mines Act, and 1,834,997 tons of coal were despatched to coke-making plants of this kind in 1936. This quantity is 151,216 tons more than in 1935.

The despatches of coal for the year were less than those for 1935 by 161,594 tons. The stocks of coal at the collieries at the end of the year were less than at the beginning.

The following figures giving the average value per ton of coal put into wagons in various districts may be of interest—Assam, Rs 9 annas 6 5; Baluchistan, Rs 5 annas 14 9; Bengal, Rs 2 annas 10 8, Bihar (Jharia coalfield), Rs 3 annas 2 4, Central Provinces, Rs 3 annas 9 4, and the Punjab Rs 3 annas 14 8. There were increases in the average value per ton of coal in Bengal, Bihar and the Central Provinces, of annas 1 4, annas 10 4 and annas 0 3, respectively. In the other Provinces there were decreases.

Trade Conditions.

The demand for coal was good throughout the year. Towards the end there was a tendency towards shortage of supplies and prices temporarily increased considerably. The export trade was assisted by an additional eight annas, rebate for coal exported to ports other than Indian ports and this rebate enabled the Indian coal trade to regain the railways contract of the Government of Ceylon of over 150,000 tons. The stocks of coal at the collieries at the end of the year were less than at the beginning and have been considerably depleted since, so that it is anticipated that conditions favouring an increase in the price of coal may eventuate during the current year.

Employees.

The average number of persons daily employed in the coalfields during the year was nearly 182,000, showing a slight increase, namely 1 4 per cent, in spite of the decrease in production by 1 8 per cent. The average output per person employed, therefore, showed a decrease from the high figure of 130 2 tons in 1934, which is practically the same as the figure for 1929, namely 130 4 tons, the highest figure yet recorded, to 124 4 tons in 1936.

The number of deaths by accident on the coalfields was 435, a rate of 2 39 per thousand. There were two major accidents during the year, one at Poidih in the Raniganj field, and the other at Loyabad in the Jharia field, which accounted for 209 and 35 deaths respectively. The development of iron and steel industry in India on modern lines, has led to the erection of several plants for the manufacture of hard coke of metallurgical quality. The true cause of the depression in the Indian coal industry, says the record, is over-development of the coalfields with reference to India's requirements. Every new coalfield that is opened at present merely serves to accentuate the depression.

Report of Indian Coal Mining Committee

Extensive control over methods of coal mining and a cess on coal despatches are among the far-reaching recommendations made in the Report of the Indian Coal Mining Committee. It is proposed that a cess of eight annas per ton on coal (including soft coke) and twelve annas a ton on hard coke should be imposed, to be administered by a statutory authority, to be used mainly to defray the cost of stowing

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£300,000). The mines are mainly in Singhbhum, Bihar, and Keonjhar and Mayurbhanj States.

PIG IRON.

There was an increase in the production of pig iron which stood during the year at over 1,540,000 tons. This increase was accompanied by a substantial rise in the quantity exported, from nearly 473,000 tons in 1935 to nearly 606,000 tons in 1936. Japan is the principal consumer of Indian pig iron; the proportion taken fell from 70·8 per cent in 1935 to 60·6 per cent in 1936, though the actual amount rose by 9·9 per cent. There were larger increases in the exports to the United Kingdom and the United States also, but the export to China was halved.

The net effect of the relatively greater use of pig-iron and home scrap in 1936 was to reduce slightly the proportion of purchased scrap in ferrous materials charged to steel-furnaces from 26·4 per cent of the total in 1935 to 24·6 per cent in 1936. Production of steel ingots increased 40 per cent in 1936. Open-hearth furnaces take the larger part of the scrap used in the United States, and in 1936 accounted for 26,290,000 tons or 72 per cent of the total compared with 19,119,627 tons in 1935.

LEAD.

Lead produced during the year was over 73,000 tons (including 1,240 tons of antimonial lead) valued at nearly Rs 1,72,00,000, extracted from nearly 469,000 tons of ore, mined at Bawdwin and smelted at Namtu in the Northern Shan States from which were also extracted nearly 6,000,000 ozs. of silver, valued at nearly Rs. 69 lakhs, 77,000 tons of zinc concentrates valued at over Rs 40 lakhs, 4,325 tons of nickel-spiess (containing also cobalt, copper and silver) valued at nearly Rs. 15 lakhs, and 7,500 tons of copper matte, valued at over Rs 20 lakhs.

COPPER.

Copper produced from the ore mined at Ghatsila in Bihar during 1936 amounted to 7,200 tons, of which 808 tons were sold as copper and the remainder used in the rolling mill to manufacture yellow metal sheets and circles, the whole of which was sold.

MANGANESE.

Of manganese ore, a little over 813,000 tons were mined, valued at nearly £1·1½ million. The steel works of India used a little over 46,000 tons and nearly 743,000 tons were exported to the United Kingdom, the United States, Japan, France and Belgium. India and Russia are the two principal sources of the world's manganese, but in none of the major, Indian mineral industries have the effects of the slump been so seriously felt as in the manganese industry. In fact the effect of the slump had been so disastrous for this industry that whilst the quantity of the production in 1933 was a little over 1/3rd of that of the peak year of 1927, the value was less than 1/22nd part of the value of the 1927 production. Though the value of the output is still less than half of 1927, there was some measure of recovery during 1936. This recovery is due mainly to increases in production in the Balaghat, Nagpur and Bhandara District of the Central Provinces, and to the resumption of work in Panch Mahals.

MICA.

Mica produced during the year was nearly 87,000 cwts valued at nearly Rs 32½ lakhs (£244,000), but the production figures are incomplete, and the export figures of nearly 178,000 cwts, valued at nearly

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place on the world's list of oil-producing countries being thirteenth. Of the total production, of nearly 335,000,000 gallons about 65,000,000 gallons come from Assam, 4.4 million gallons approximately from the Attock District in the Punjab, and the remainder from Burma. Over 196,000,000 gallons of kerosene and fuel oils were imported.

GOLD.

There was a small but increased production of gold from Manbhum and trivial outputs from the Punjab and the United Provinces. The Burma output as a whole decreased though there was a slightly increased production in the Northern Shan States. But these figures are quite insignificant compared with the output at Kolar which makes up 99.5 per cent of the Indian total. Of the four mines that are producing gold in the Kolar Gold field, the Champion Reef and the Oregum Mines, the two deepest on the field, reached vertical depths of nearly 8,000 feet below the field datum. This development has opened up a number of shoots of payable ore. Owing to the great depths and the consequent high temperatures, the maintenance of adequate ventilation at the working places is an extremely complex problem, but it has been partly solved by sinking deep, smoothlined vertical shafts, circular or elliptical, and by an extensive use of large electricity-driven fans in the course of main air currents. Though rock-bursts cannot be eliminated altogether in deep mining, the more rigid forms of support, such as packs of masonry and concrete and sand or waste rock filling, which are generally used in these mines, have resulted in the reduction of heavier rock-bursts which were causing considerable damage to person and property in the past. The average number of persons employed on the Kolar Gold field during the year was nearly 23,000, of whom roughly 14,600 worked underground.

Gold Output.

The gold output during the year was 333,385.6 ounces, which, though 2,723 ounces less than the production of 1933, was valued at over Rs 3,06,00,000 (nearly £2,300,000), the highest value on record. Over 25,000 ounces of silver valued at Rs 84,000 (£2,500) were also produced in the Kolar Gold field. There was considerable increase in the value of production in 1932 as this happened to the first full year since Britain and India abandoned the gold standard in September 1931 with consequent appreciation in the price of gold against sterling or rupees. As a result of this appreciation, 9,766,122 ounces of gold, reckoned in terms of fine gold were exported during 1932. The value was Rs 75,87,52,203 (£57,049,038). In 1933, the exports were 6,248,095 ozs valued at Rs 51,25,48,810 (£38,587,505), in 1934, they were 6,685,900 ozs valued at Rs 60,50,74,489 (£4,494,323), in 1935 47,32,185 ozs valued at Rs 44,22,27,875 (£33,250,216), and in 1936, 3,588,177 ozs valued at Rs 33,15,99,305 (£24,932,279).

IRON.

As in the case of coal, India is the second largest producer of iron-ore in the British Empire, and ninth in the world. India's output is, however, completely dwarfed by the production in the United States and France, but her reserves of ore are not much less than three-quarters of the estimated total in the United States, and there is every hope that India will eventually take much more important place among the world's producers of iron ore. The production of iron-ore during the year was over 2,500,000 tons, valued at nearly Rs 40 lakhs (over

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IRON AND STEEL INDUSTRY.

IRON and steel industry is now recognised as one of the biggest industry in India. It gives employment to about 25,000 persons and the capital invested in the industry is no less than Rs 27 crores.

Good deposits of iron ore exist in many parts of India, such as Singhbhum, Mayurbhanj, Gua, Mysore and to a small extent in Burma. The ore is of high quality. It compares favourably with the finest Lake Superior and Bibbaco ores and is considered to be better than the ironstone mined in the United Kingdom. Various other metallic ores required in extracting iron from the iron ore are also available in abundance not far off the iron deposits. Manganese ore, for example, occurs in the Singhbhum district. Again dolomite and limestone are found within a short distance of the ore fields. As, however, deposits of coal necessary for working these sources of iron were seldom close at hand, they were neglected until quite recently. The output of iron ore in 1936 was 2,500,000 tons valued at Rs. 40 lakhs.

World production of pig-iron exceeded 90,000,000 metric tons last year, as compared with 98,500,000 tons in 1929 and 39,500,000 tons in 1932, the post-war high and low records. Steel output reached 122,000,000 tons in 1936, as against 120,600,000 tons in 1929, and the depression minimum of 50,500,000 tons in 1932. Although world output has shown a substantial recovery in both iron and steel output, the degree of recovery in individual countries has been very varied. In Great Britain, steel production in 1936 was 21 and 19 per cent in excess of 1929 and 1935, respectively; in Germany 4 and 16 per cent higher; in Japan 118 and 11 per cent higher; and in Russia 143 and 31 per cent higher. In France the 1936 output was 31 per cent. lower than in 1929 and 7 per cent. higher than in 1935; in Belgium, 22 per cent. lower and 5 per cent. higher respectively; in Luxembourg, 27 per cent. lower and 7 per cent. higher respectively; and in the United States, 17 per cent. lower and 38 per cent. higher respectively.

According to preliminary estimates of the U. S. Bureau of Mines, the consumption of iron and steel scrap in the United States amounted to 36,469,000 gross tons in 1936, an increase of 38 per cent over 1935. Total consumption of pig-iron amounted to 29,778,000 tons or 41 per cent above the previous year. The use of pig-iron as a raw material in the manufacture of steel increased 46 per cent in 1936, whereas the quantity of scrap charged directly to steel furnaces increased only 38 per cent. Likewise the increase in the use of home scrap in steel-making was more pronounced than that of purchased scrap.

Exports of pig iron in 1936 37 totalled 574,000 tons valued at Rs. 29 lakhs as compared with 538,000 tons valued at Rs. 1,21 lakhs in 1935-36 and 417,000 tons valued at Rs 93 lakhs in 1934-35. There was a marked expansion in the exports to the United Kingdom which amounted to 182,000 tons as against 66,000 tons in 1935-36 and 98,000 tons in 1934-35. Japan, the principal customer of Indian pig iron reduced her takings from 327,000 tons to 306,000 tons but the United States of America required 56,000 tons or about 4,000 tons more than in the preceding year. Exports to China declined from 8,700 tons to 8,100 tons.

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PROFIT MAKING—SURELY.

Rs. 92 lakhs (£690,000) give a better idea of the size of the industry. India is overwhelmingly the world's chief producer of high-grade mica, an indispensable accessory in electrical manufactures. Most of the mica is exported to the United States and the United Kingdom which absorbed during the year 51.8 per cent and 24.2 per cent respectively.

Mica deposits occur mostly in Bihar. The other mica belt of India lies in the Nellore district of the Madras Presidency. Waste products in mica mining are quartz and felspar, which are required for glass industry. These also are available in plenty and are of fine quality.

ILMENITE.

Ilmenite is another mineral in which India is the world's chief producer. It occurs with monazite and zircon in beach sands in Travancore State, and over 140,000 tons, valued at nearly £62,500 were produced. The output has doubled in two years. The metal is in demand for the manufacture of titanium paints.

TIN.

Tin and wolfram (the ore of tungsten) occur together to a large extent in Burma and in both these minerals the production during the year was the largest on record.

LIMESTONE.

Amongst the minerals for which accurate statistics are not available, limestone and 'kankar' of which nearly 3½ million tons were quarried, would rank next to coal in importance, if weight of material won were the criterion. There has been an increased output of limestone in recent years which is due partly to its use as a flux in the iron and steel industry, and in the manufacture of cement.

GEMS.

In gem stones the production of diamonds, mostly from Panna State, rose slightly to 1,457 carats, valued at Rs. 62,171 (£4,675). In Mogok, Burma 155,381 carats of rubies valued at Rs. 97,103 (£7,301) and 172 carats of sapphires valued at Rs. 242 (£18) were reported to have been mined. One thousand six hundred and seventy-one cwts of Jadeite and 324 cwts of amber were reported to have been produced in Upper Burma. Ninety-eight tons of beryl were produced in Ajmer and 5 tons of garnet in Travancore. These are however, not used as gem stones, the former is used as an ore of beryllium and the latter as an abrasive.

BAUXITE.

Bauxite or aluminium ore occurs in the Bihar plateau in the Balaghat District, in the vicinity of Katni and in the Mandla district. Large deposits of bauxite also occur in the Bombay Presidency, particularly in the Belgaum District and in the Kolhapur State.

OTHER MINERALS.

Other minerals of which India produce varying quantities on a commercial scale are antimony, chromite, magnesite, salt, salt-petre, soda, apatite, asbestos, barytes, and felspar, fuller's earth, graphite, gypsum, kyanite, ochre, and steatite.

**THICK TYPE INSERTIONS IN THESE PAGES ARE
PROFIT MAKING—SURELY.**

The statement of accounts for the year ended 31st March, 1937, are highly satisfactory. The improvement in the position of the company has been made possible by the increase in the output of saleable steel and by the rise in the selling prices of the company's products. For the first eight or nine months, this rise was only small. Towards the end of the year, prices rose rapidly, this, however, had little effect on the profits for the period ended 31st March, as the deliveries up to that date were mostly against sales made a few months earlier, before the marked rise in prices commenced. Fortunately these two favourable factors more than offset certain unfavourable factors in the year's operations. The average price of coal was a little higher than in the previous year. Owing to the exigencies of the programme for relining blast furnaces, the total output of pig iron was less than in the previous year and the amount of iron available for sale was thus lower than in 1935-36. During 1936-37 the world output and consumption of steel reached a new high level, being slightly above the previous record year 1929. So far as can be ascertained, however, at the time of preparation of this report, the consumption in India of the kinds of steel made by the company remained on practically the same level as in the previous year.

For some time the company has realised the desirability of rounding off the production programme of its works by taking up the manufacture of tubes, hoops and strip and by adding to the production of sheets and medium sections, all of which developments have been under consideration by the company at various times. The directors hoped, however, that such a development might advantageously be made in conjunction with other interests in the Indian industry. Negotiations were therefore undertaken with the Indian Iron and Steel Company, the Bengal Iron Company and Messrs. Bird and Company. Unfortunately it was not found possible to reach a mutually satisfactory agreement and the negotiations terminated towards the close of the year. The Indian Iron and Steel Company has since announced its intention of building a steelworks through the medium of a new company. In the interests of the Tata Iron and Steel Company, the directors have approved proposals for giving effect to the above named developments. The company's staff, in conjunction with the recently appointed consulting engineers, Messrs H A Brassert & Co., is actively engaged in the preparatory work necessary for the placing of orders for the plant required.

The production of saleable steel during 1936-37 was higher than in any previous year. The output of the principal products during each of the last two years is given below:—

| | 1935-36 | 1936-37 |
|----------------|---------|---------|
| | Tons | Tons. |
| Coke | 730,000 | 778,000 |
| Pig Iron | 900,000 | 827,000 |
| Steel Ingots | 880,000 | 850,000 |
| Saleable Steel | 646,000 | 667,000 |

The increase in the output of coke was due to the operation of the new battery of coke ovens which commenced work about the end of December, 1936. The pig iron production was less than in the preceding year due to the necessity of relining the largest furnace "D," during the year. "E" blast furnace, which has been entirely rebuilt, commenced operation on 19th May 1936. In consequence of the lower output of pig iron, the production of steel ingots was below that of the preceding year. The increased output of saleable steel above the level of the preceding year was derived from the conversion into finished

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It was the great genius of Sir J. N. Tata who saw possibilities of starting an iron and steel industry and actually gave shape and form to his ideas. Since the discovery of iron belt in 1906, the exports of pig iron were going considerably up. It was in 1907 that the Tata Iron and Steel Company was established to put a stoppage to the exports of iron ore. Pig-iron was first produced in December, 1911 and steel in 1913. In the second year of production July 1931 to July 1934 the output of pig iron was 155,383 tons, and of finished steel 48,372 tons. During the war the demand for iron and steel increased and other companies came up to manufacture iron and steel.

For some years the production of iron ore in India had been steadily on the increase and India is now, in fact, the second largest producer in the British Empire, and yields place only to the United Kingdom. Her output is of course still dwarfed by the production in the United States (10 million tons in 1932) and France (27 million tons in 1932). The companies chiefly engaged in the extraction of iron and steel are Tata Iron and Steel Co., Ltd., (from Noamundi mines), Bengal Iron Co., Ltd., (from Pansira, Ajita, and Maclellan mines), Indian Iron and Steel Co., Ltd., (from Gua Mines), United Steel Corporation of Asia (from Keonjhar mines) and Mysore Iron Works. Of them the only company which manufactures steel is the Tata Iron and Steel Company. Besides these there are 114 indigenous furnaces at work in the Central Provinces.

PRODUCTION FIGURES.

The quantity of pig iron manufactured during 1936-37 was 1,557,000 tons as against 1,541,000 tons in 1935-36. The production of pig steel (including steel rails) rose from 879,708 tons in 1935-36 to about 12,00,000 tons in 1936-37. Figures of production of various iron and steel manufactures follow —

| | 1932 -33 | 1933 -34 | 1934 -35 | 1935 -36 | 1936 -37 |
|------------------------------|------------------|-------------|-------------|-------------|-------------|
| | (in 1,000 tons). | | | | |
| Pig Iron | 880 | 1,109 | 1,343 | 1,541 | 1,557 |
| Iron Castings & Manufactures | 47 | 68 | 81 | 76 | 99 |
| Steel Ingots | 591 | 721 | 834 | 880 | 1,200 |
| Rails | 38 | 35 | 79 | 65 | 86 |
| Beams, bars & channels | 156 | 185 | 218 | 233 | 289 |
| Angles | 26 | 45 | 32 | 40 | 48 |
| Tees | 11 | 10 | 11 | 13 | 7 |
| Plates | 29 | 49 | 34 | 46 | 50 |
| Black Sheets | 13 | 25 | 21 | 40 | 29 |
| Galv. Sheets | 47 | 59 | 72 | 75 | 92 |
| Other Miscellaneous | 29 | 38 | 68 | 74 | 73 |
| TOTAL | 442 | 551 | 627 | 677 | 692 |

The principal items in the case of finished steel goods under which increase occurred were black sheets, plates and bars, beams and channels. There was an increase of 50,000 tons in the total production of finished steel.

TATA IRON AND STEEL COMPANY.

A net profit of Rs 1,33,56,465 was realised by the Tata Iron and Steel Co., Ltd., during the year ended March 31, 1937. This amount was realised after setting aside Rs 78,00,000 on account of depreciation on block other than collieries, and Rs 15,00,000 on account of depreciation on collieries block.

Production during the year was the highest so far attained in any one year. An increased output was recorded in practically all products.

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and will afford facilities for extending research work into the many problems relating to the production of ordinary and special steels and into the use of raw materials required in connection therewith. The production at the Agrico factory showed further increase over the preceding year, the total number of tools produced being 1,198,000. Picks, beaters, and hoes accounted for 88 per cent. of the total output.

INDIAN IRON & STEEL COMPANY.

Indian Iron and Steel Company was floated in 1918 but it could not commence operation before 1923. The workshops are situated at Burnpore, about 142 miles from Calcutta. The factory is equipped with 2 blast furnaces of modern design and coke ovens. No. 2 furnace which was blown out in December, 1934 has since been relined and was put into blast again during the month of June. The company manufactures pig iron and foundry iron for casting. The production of pig iron during 1933 was 249,079 tons as against 198,700 tons in 1932.

The amalgamation of the Company with the Bengal Iron Company only became effective as from 2nd December, 1936. The Hirapur plant worked on full production throughout and recorded a maximum output, but during a considerable part of the year the pig-iron export market offered a very moderate margin of profit and the substantial rise in prices which commenced in December last is, in consequence, only partly reflected in our accounts as old contracts were being worked off until the close of the company's financial year. Contrasted with anticipations set forth in our various communications to shareholders last year, the profits show a substantial increase of over Rs. 7 lakhs.

Since the close of the financial year under review, the company has made a further issue of ordinary share capital for the specific purpose of investing the proceeds in the share capital of the Steel Corporation of Bengal, Ltd. which was incorporated on the 20th April, 1937. In order to implement the agreements made with the Corporation, it will be necessary to instal at the Company's Hirapur Works a new battery of coke ovens, additional power equipment and pumping plant, reservoirs, gas cleaners, and other plant. This capital extension programme is being taken in hand, and by the time the Steel Works are ready, it is anticipated that the additional facilities, which the company has undertaken to provide, will be available.

As the result of the reduction of capital in November last, the various reserve funds as well as the sum carried forward at the credit of the profit and loss account last year have been mainly utilised in writing off amalgamation expenses incurred. The profits taken in represent one full year's working of the Hirapur Works and of the Kulti Works from 3rd December, 1936, only.

Accounts in brief are as under:—

| LIABILITIES | | ASSETS | |
|-------------|------------------------|-------------|------------------------|
| | Rs | | Rs |
| Capital | 2,03,23,940 | Block | 3,33,14,326 |
| Debentures | 2,62,58,839 | Stock | 56,78,273 |
| Reserves | 44,30,894 | Stores | 21,47,920 |
| Liabilities | 37,02,974 | Debts | 33,81,942 |
| Profit | 40,80,705 | Advances | 1,94,996 |
| | | Investments | 25,21,230 |
| | | Cash | 1,15,57,665 |
| | Rs. 5,87,97,352 | | Rs. 5,87,97,352 |

Accounts of the Company include those of two subsidiaries, namely, the Eastern Light Castings, Ltd., and the Clutha House, Co., Ltd. Both

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product of the greater part of the stocks of ingots and semi-finished steel existing at the beginning of the year.

The quantities of steel despatched to customers during the year, including small quantities used in the company's own Works were as follows, in comparison with the preceding two year.—

| | 1934-35 Tons. | 1935-36 Tons. | 1936-37 Tons. |
|------------------------------|------------------|------------------|------------------|
| Rails and Fishplates | 76,000 | 82,000 | 88,000 |
| Bais and Light Structural | 175,000 | 185,000 | 1,82,000 |
| Heavy Structural | 88,000 | 97,000 | 82,000 |
| Plates | 39,000 | 46,000 | 49,000 |
| Black Sheets | 21,000 | 29,000 | 28,000 |
| Galvanized Sheets | 73,000 | 77,000 | 90,000 |
| Tin Bais | 75,000 | 71,000 | 70,000 |
| Sleeper Bar and Sleepers | 22,000 | 19,000 | 23,000 |
| Blooms, Billets & Sheet Bars | 44,000 | 45,000 | 60,000 |

Accounts in brief are as under.—

| Liabilities. | Rs | Assets. | Rs |
|---------------|--------------|--------------|--------------|
| Capital | 10,47,00,990 | Block | 24,90,46,708 |
| Debtenture | 69,77,865 | Other assets | 35,41,141 |
| Reserves, etc | 14,79,57,786 | Stores | 92,98,233 |
| Liabilities | 1,85,72,869 | Stock | 1,38,48,866 |
| Profits | 1,63,79,285 | Debts | 89,43,472 |
| | | Advances | 11,49,357 |
| | | Investments | 82,59,955 |
| | | Cash | 55,01,063 |
| Total Rs | 29,45,88,795 | Total Rs | 29,45,88,795 |

The machinery and plant equipment was maintained in first-class condition throughout the year and various improvements made. A battery of new coke ovens commenced operation in December 1936. Although the period during which the ovens have been in operation has been short, all the indications point to the ovens fulfilling expectations. It is expected the new bye-product plant and gas main will be ready for operation in the month of May. An order has recently been placed with the firm which built the first new battery for the building of two more batteries in replacement of two batteries of old Wilputte Coke Ovens, which have practically reached the limit of their efficient life. The second new battery is expected to commence operating about the end of 1938, and the third about the middle of 1940. The normalizing plant at the plate mill has been brought into operation and the normalizing of certain products is now being carried out. At the end of the financial year the installation of the new manipulator at the blooming mill was in hand, it was expected to be completed in August 1937. During the intervening period the working time of the mill was subject to occasional interruption for installation of parts of the manipulator for which purpose the mill was shut down for short periods. The electric furnace at the foundry was brought into operation about the beginning of the year and has met the substantial requirements of the works for small steel castings. The erection of the new power plant was proceeding. Practically all material is at site or on the way. The boilers are in position and at an early date the assembly of the new turbo-generator will commence. During the year work was commenced upon the new control and research laboratory which will enable fuller control to be established over the manufacturing operation in the plant.

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| | 1934-35 (Quantity in 1,000 tons). | 1935-36 | 1936-37 | 1934-35 (Value in lakhs of Rs.) | 1935-36 | 1936-37 |
|--|--------------------------------------|---------|---------|------------------------------------|---------|---------|
| Steel Angle and Tee | 13 8 | 19 4 | 14 9 | 14 1 | 19 6 | 15 9 |
| Steel Bars (other than cast steel) | 62 6 | 54.5 | 27 5 | 68 8 | 61 7 | 36 5 |
| Beams, Channels, Pillars, Girders and Bridge Works | 22 3 | 28 7 | 24 9 | 23 5 | 31.2 | 29 6 |
| Bolts and Nuts | 10 2 | 12 6 | 9 4 | 28 6 | 32 0 | 23 4 |
| Fencing Materials | 7.3 | 8.8 | 7 8 | 18 1 | 18 1 | 15 2 |
| Hoops & Strips | 34 5 | 46 9 | 41 2 | 45 3 | 57 1 | 53 9 |
| Nails, Rivets & Washers | 12.2 | 15 9 | 12 3 | 32.1 | 40 0 | 32.5 |
| Galvanised Sheets and Plates | 58.8 | 73 2 | 64 6 | 110 9 | 129 7 | 110 0 |
| Tinned Sheets & Plates | 5 6 | 6.5 | 1 4 | 17.0 | 20 4 | 5 7 |
| Sheets or Plates, not Galvanised or Tinned | 31 4 | 37 4 | 26 5 | 42 6 | 48 5 | 36 0 |
| Rails & Fishplates | 5 3 | 7 9 | 10 0 | 7 5 | 7.8 | 10.1 |
| Tubes & Pipes | 34 9 | 62 1 | 40 4 | 38 8 | 111 8 | 79 5 |
| Wire Nails | 15 7 | 15 3 | 8 0 | 24.1 | 22.0 | 12 5 |
| Wire Ropes | 3 2 | 3 0 | 3 4 | 15 5 | 14 9 | 17 9 |
| Castpipes & Fittings | 1 6 | 1 4 | 1 4 | 6 9 | 6.8 | 6.6 |
| Sleepers & Keys | 4.3 | 4 5 | 4.6 | 6 5 | 7 0 | 6 5 |

DETAILS OF IMPORTS.

There was a decline in the aggregate volume of trade in bars (other than cast steel) of approximately 50 per cent, although, as a result of slightly higher prices, the decline in value was somewhat less than this. Total shipments in 1935-36 were 54, 476 tons valued at Rs 61½ lakhs, as compared with 27,515 tons valued at Rs 36½ lakhs in 1936-37. The imports from the United Kingdom were 21,760 tons valued at Rs. 22½ lakhs in 1935-36, and 14, 191 tons valued at Rs 23½ lakhs in 1936-37. Belgium was responsible for shipments amounting to Rs 12,249 tons valued at Rs. 10 lakhs in 1935-36, and 5,874 tons valued at Rs 4½ lakhs in the year under review. Arrivals from Germany declined from 4,822 tons valued at Rs. 4 6 lakhs to 2,527 tons valued at Rs 2 7 lakhs. Arrivals from France declined considerably from 7,229 tons, value Rs 5 8 lakhs to 2,505 tons, value Rs 1 9 lakhs. The shipments from Luxemburg also declined steeply from 7,310 tons, value Rs 5 7 lakhs to 1,567 tons, value Rs. 1 3 lakhs.

Beams, Channels, etc.

There was a small contraction in the aggregate trade in these goods in the year under review from 28,687 tons, value Rs 31 2 lakhs to 24,876 tons, value Rs 29 6 lakhs. This decline was shared by most of the competing countries with the exception of the comparatively small shipments from France which increased from 1,157 tons, value Rs. 0.9 lakh to 2,966 tons, value Rs. 2.3 lakhs. The greatest share of the trade was secured by the United Kingdom whose shipments declined somewhat in quantity from 16,079 tons to 14,736 tons but showed a slight increase in value from Rs. 21 lakhs to Rs 21 2 lakhs.

The shipments from Germany suffered a considerable contraction from 6,337 tons value Rs. 4 8 lakhs to 2,876 tons, value Rs 2.1 lakhs. Arrivals from Belgium suffered a smaller reduction from 4,861 tons, value Rs. 4 2 lakhs to 3,965 tons, value Rs 3.6 lakhs.

Bolts and Nuts.

The volume of trade in these goods decreased by about 25 per cent. from 12,580 tons, value Rs. 31 9 lakhs to 9,404 tons, value Rs. 23 5

Manufacture Pickles & Chutneys at Home. "Indian Pickles, Chutneys & Morabbas" explains the process. Industry Book Dept., Calcutta.

these companies are incorporated in the United Kingdom; the first one covers the castings business which was carried on by the Bengal Iron Company in addition to the foundries at Kulti, and the second one is the Holding Company of Clutha House, the London office of the Bengal Iron Company. The whole of the share capital of both companies belongs to the company.

OTHER COMPANIES.

The Mysore Iron and Steel Works, situated at Bhadravathi, is owned by the Government of Mysore. During 1934 the company manufactured 14,805 tons of pig iron as against 14,683 tons in the previous year which for its further expansion, has installed a steel manufacturing section, has begun to manufacture steel ingots, billets and finished steel. Since the completion of the steel producing plant, 3,700 tons of steel ingots, 2,000 tons of billets and 1,250 tons of finished steel sections had been made in the works and small quantities of steel sections had also been marketed. When the full marketing programme has been reached it is expected that the total annual sales will amount to about Rs 40 lakhs as against the average turnover of about Rs 10 lakhs per annum in recent years.

As the demand for steel is rapidly increasing throughout the world, the Mysore Works may be expected to show good results hereafter as a result of this new scheme of expansion. The works produces special quality pig iron—charcoal pig iron, which is not produced anywhere else in India. It has a practically inexhaustible supply of high-grade ores near at hand, and the South Indian market at its doors. By adopting efficient marketing methods and effectively catering to known needs, the works should have a bright future before it.

Indian Steel Rolling Mills (Negapatam).—Apart from the standard sizes of steel products in rounds, squares, and flats now on manufacture, the company has ordered machinery for the speeding up of production, and for catering to the growing demand for smaller sections suitable for reinforced concrete work. The equipment at the finishing end, consisting of roller cooling bed and auxiliaries, are, it is understood, of the latest type.

The management has also ordered smelting furnaces worked with electric power (supplied on very favourable terms by the Madras Government) with a view to making use of scrap now so largely exported, and has thereby ensured not merely the conservation of national wealth, but also continuity of production for a mill which does not work up from the ore.

The mills occupy a key position in the South Indian market and expect to commence production on a commercial scale shortly.

IMPORTS.

There was a noticeable decrease in the aggregate imports of iron and steel from 449,000 tons in 1935-36 to 363,000 tons in 1937-38 and supplies from different countries were considerably reduced. Of the total imports 45 per cent came from the United Kingdom, as compared with 48 per cent in the preceding year. The share of Germany also fell from 15 to 13 per cent. The percentage share of Belgium however advanced from 20 to 23 per cent, although the total imports from that country decreased. Only Japan increased her construction from 5.7 to 7.4 per cent. With the exception of rails, chairs, and fishplates and wire ropes, all the principal descriptions showed decreases.

The following table gives the quantity and value of various descriptions of iron and steel goods imported into India during 3 years ending 1936-37.

Manufacture Pickles & Chutneys at Home. "Indian Pickles, Chutneys & Morabbas" explains the process. Industry Book Dept., Calcutta.

Tinned Plates.

The local industry was responsible also for the heavy decline in the import trade in these goods, from 6,529 tons valued at Rs. 20.4 lakhs to 1,422 tons valued at Rs. 5.7 lakhs. This import trade is almost entirely in the hands of the United Kingdom, and such share of the trade as was enjoyed by Italy in the year 1935-36 has now almost disappeared. The imports from the United Kingdom were 5,428 tons valued at Rs. 17 lakhs in 1935-36 and 1,303 tons valued at Rs. 5½ lakhs in the year under review, the imports from Italy falling from 655 tons value Rs. 2.1 lakhs to 32 tons, value Rs. 0.1 lakh.

Sheets and Plates.

The aggregate in these goods contracted considerably, from 37,363 tons valued at Rs. 48½ lakhs in 1935-36 to 26,518 tons valued at Rs. 36 lakhs in the year ended 31st March, 1937. As the principal supplier of these goods, United Kingdom manufacturers suffered the largest share of this contraction, their exports falling from 26,638 tons, value Rs. 37½ lakhs, to 18,561 tons, value Rs. 28 lakhs. The arrivals from Belgium declined from 7,295 tons, value Rs. 7.1 lakhs to 5,385 tons, value Rs. 4.8 lakhs. The share attributable to "other countries" receded from 3,430 tons, value Rs. 3.7 lakhs, to 2,572 tons, value Rs. 3.1 lakhs.

Wrought Tubes and Fittings.

The decline in the total trade in these goods was considerable, from 62,119 tons valued at Rs. 111½ lakhs to 40,358 tons valued at Rs. 79½ lakhs. The reduction was shared equally between the two principal countries of supply, namely, the United Kingdom and Germany. The imports from the United Kingdom declined from 29,550 tons, value Rs. 60 lakhs, to 18,907 tons, value Rs. 45½ lakhs. The share of Germany fell from 27,322 tons, value Rs. 39 lakhs, to 17,006 tons, value Rs. 23½ lakhs. The arrivals from Japan fell from 1,375 tons, value Rs. 4.9 lakhs to 970 tons, value Rs. 3.2 lakhs, and from Belgium from 1,580 tons, value Rs. 2.6 lakhs to 1,329 tons, value Rs. 2.1 lakhs. The arrivals from Poland, however, increased appreciably from 614 tons, value Rs. 0.9 lakh to 1,540 tons, value Rs. 2.3 lakhs. On the other hand, the comparatively small share of the United States of America declined still further from 609 tons, to 263 tons, although the contraction in value was very much less than this, namely from Rs. 2.2 lakhs to Rs. 2 lakhs.

There was a marked contraction also in this declining trade, from 15,274 tons valued at Rs. 22 lakhs to 8,025 tons, valued at Rs. 12½ lakhs. The great bulk of this trade is enjoyed by Belgium, the import from which country recorded 6,984 tons, value Rs. 10 lakhs, in 1935-36 as against 4,526 tons, value Rs. 7 lakhs, in the year under review.

Share of Foreign Countries.

The imports are drawn chiefly from the United Kingdom, Belgium and Germany. The Quantity imported from each of these countries during the 5 years ending 1936-37 is given below —

| | 1932-33 | 1933-34 | 1934-35 | 1935-36 | 1936-37 |
|-----------------|------------|------------------|------------|------------|------------|
| | | (in 1,000 tons). | | | |
| United Kingdom | 140 | 166 | 182 | 215 | 165 |
| Germany | 22 | 23 | 32 | 68 | 48 |
| Belgium | 104 | 72 | 74 | 90 | 84 |
| France | 12 | 13 | 12 | 16 | 13 |
| U. S. A. | 2 | 2 | 3 | 5 | 4 |
| Other Countries | 46 | 53 | 67 | 55 | 49 |
| TOTAL | 326 | 329 | 370 | 449 | 363 |

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lakhs Germany secured the largest share of this trade but her sendings suffered a considerable decline from 5,219 tons, value Rs 11.9 lakhs to 3,930 tons, value Rs 8.5 lakhs. The shipments from the United Kingdom were 2,400 tons, value Rs 9.4 lakhs in 1935-36 as compared with 1,867 tons value Rs 7.8 lakhs in the year under review. The shipments from Belgium receded by more than 50 per cent from 3,828 tons, value Rs 7.2 lakhs to 1,774 tons, value Rs 3.4 lakhs. On the other hand, the comparatively small share of Japan showed an increase from 699 tons, value Rs 1.8 lakhs to 1,642 tons, value Rs 3.1 lakhs.

Hoops and Strips.

There was a fall in the volume of trade in these goods to the extent of approximately 11 per cent from 46,921 tons (value Rs 57.1 lakhs) to 41,204 tons (value Rs 53.9 lakhs). The United Kingdom was the principal source of supply, her shipments, in fact, expanding from 13,498 tons, value Rs 20 lakhs to 15,169 tons, value Rs 23.1 lakhs. The nearest competitor, Belgium, supplied 14,715 tons valued at 11.8 lakhs, in the year under review. The sendings of Germany were approximately the same in the two years in question registering 6,545 tons, value Rs 8.3 lakhs in the year 1935-36 and 6,355 tons, value Rs 8.1 lakhs in the year under review. The share of "other countries" contracted from 12,163 tons, value Rs 12.7 lakhs to 9,012 tons, value Rs 10.1 lakhs.

Nails, Rivets and Washers.

There was a contraction in the aggregate value of this trade of approximately 20 per cent from 15,942 tons valued at Rs 10 lakhs to 12,312 tons valued at Rs 40 lakhs to 12,312 tons valued at Rs 32.1 lakhs. The largest share in this trade was secured by the United Kingdom, exports from which country were 3,957 tons valued at Rs. 9.9 lakhs in the current year as compared with 5,116 tons valued at Rs 12.1 lakhs in the preceding year. The arrivals from Germany also suffered a decline from 4,177 tons, value Rs 8.4 lakhs in 1935-36 to 3,368 tons, value Rs 6.4 lakhs in the current year. Arrivals from Sweden also declined appreciably from 1,580 tons, value Rs 7.7 lakhs to 1,105 tons, value Rs 6 lakhs in the current year. On the other hand, the sendings of Norway although declining in volume increased somewhat in value from 1,797 tons valued at Rs. 4.1 lakhs to 1,646 tons valued at Rs 4.1 lakhs. The smaller shares of Belgium and Czechoslovakia suffered an appreciable decline. From Belgium the exports declined from 2,369 tons valued at Rs 4.5 lakhs to 1,196 tons valued at Rs 2.1 lakhs and from Czechoslovakia from 401 tons valued at Rs. 1.1 lakhs to 306 tons valued at Rs 9 lakhs. The share of "other countries" showed some increase from 502 tons valued at Rs 1.1 lakhs to 775 tons valued at Rs 2.1 lakhs.

Galvanised Sheets and Plates.

The decline in this trade, which has been a feature for several years as a result of the expansion in the local industry, continued during the year under review, the total imports falling from 73,203 tons valued at Rs 129.2 lakhs to 64,599 tons valued at Rs 110 lakhs. United Kingdom manufacturers secured much the greater share of this trade, the arrivals from that country being 55,969 tons valued at Rs 102.4 lakhs in 1935-36 as compared with 40,582 tons valued at Rs. 73.2 lakhs in the year ended March, 1937. Japan has supplanted Belgium as the next competitor, the arrivals from that country increasing from 6,578 tons, value Rs 11.8 lakhs to 15,818 tons, value Rs 25.1 lakhs. The share of Belgium declined appreciably from 10,079 tons, value Rs 14.2 lakhs, to 7,030 tons value Rs 9.2 lakhs.

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COTTON.

India is one of the biggest cotton producing countries of the world, being second only to the United States of America. A striking feature connected with the cotton crop of India is the rapidity with which its area has extended. Since the beginning of this century the area under cotton has increased considerably as a result of the world's increasing demand for it. There has been remarkable extension of area under cotton through irrigation in Northern India as well as in the Central Provinces and there appears to be the promise of a much greater increase in the production of Indian cotton of good quality in the extreme South of the Peninsula.

Of late years the quality of the Indian cotton has improved due to successful acclimatization of American cotton in the Punjab and Sind which are now watered by perennial canal systems.

Acreages and Yield.

Cotton is grown all over India. The area under cotton and yield during the last few years are shown under each province:—

| | 1935-36 | 1936-37 | 1937-38 | 1935-36 | 1936-37 | 1937-38 |
|------------------|---------|---------|---------|---------|---------|---------|
| Bombay | 5,696 | 5,890 | 5,884 | 1,142 | 1,062 | 1,203 |
| C. P. & Berar | 4,068 | 3,952 | 4,047 | 641 | 789 | 711 |
| Punjab | 3,519 | 3,691 | 3,985 | 1,565 | 1,921 | 1,316 |
| Madras | 2,601 | 2,461 | 2,512 | 545 | 533 | 489 |
| United Provinces | 596 | 700 | 581 | 195 | 176 | 197 |
| Sind | 844 | 976 | 1,043 | 343 | 433 | 391 |
| Bengal | 73 | 94 | 94 | 24 | 28 | 31 |
| Bihar | 32 | 31 | 43 | 6 | 6 | 8 |
| Assam | 38 | 36 | 45 | 15 | 12 | 24 |
| Ajmer-Merwara | 35 | 34 | 37 | 13 | 12 | 15 |
| N. W. F. P. | 19 | 21 | 22 | 3 | 4 | 4 |
| Orissa | 6 | 8 | 8 | 1 | 1 | 1 |
| Delhi | 2 | 2 | 2 | 1 | 1 | 1 |
| Hyderabad | 3,676 | 3,076 | 3,497 | 622 | 499 | 580 |
| Central India | 1,201 | 1,410 | 1,340 | 180 | 203 | 137 |
| Baroda | 837 | 871 | 914 | 156 | 137 | 164 |
| Gwalior | 602 | 714 | 667 | 124 | 106 | 76 |
| Rajputana | 486 | 534 | 528 | 79 | 78 | 68 |
| Mysore | 87 | 85 | 85 | 11 | 12 | 11 |
| | 24,936 | 24,590 | 25,334 | 5,771 | | |

Trade Descriptions.

A statement showing the present reported estimates of area and yield according to the recognised trade descriptions of cotton, as compared with those of the preceding year, is given below:—

| | Acres. (thousands). | | Bales of 400 lbs. each (thousands). | | Yield per acre (lbs.). | |
|-------------------|------------------------|---------------|---|--------------|---------------------------|-----------|
| | 1936 | 1937 | 1936 | 1937 | 1936 | 1937 |
| Oomras— | -37 | -38 | -37 | -38 | -37 | -38 |
| Khandesh | 1,295 | 1,317 | 253 | 327 | 78 | 99 |
| Central India | 2,128 | 2,007 | 309 | 213 | 58 | 42 |
| Baisi and Nagar | 1,918 | 2,337 | 338 | 422 | 70 | 72 |
| Hyderabad-Gaorani | 841 | 949 | 141 | 139 | 67 | 59 |
| Berar | 2,713 | 2,851 | 568 | 501 | 84 | 70 |
| Central Provinces | 1,239 | 1,196 | 221 | 210 | 71 | 70 |
| TOTAL | 10,134 | 10,657 | 1,830 | 1,812 | 72 | 68 |

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AGRICULTURAL RESOURCES IN INDIA.

EXTENSIVE fertile tracts watered by a net-work of rivers and canals render India traditionally an agricultural country. Her fame as a producer of enormous stores of raw materials spreads to far off countries. Over and above this India possesses practical monopoly of production so far as certain commodities are concerned. An account of the principal agricultural crops of India is given below —

JUTE.

The jute fibre for which India holds the monopoly, is cultivated and produced almost entirely in the Ganges-Brahmaputra delta. The fibre, which is obtained from the *hibiscus* and *linum us. Decan* hemp, or *Bimlipatam* jute, is, for statistical purposes, included under the term jute, and is produced in the Madras Presidency. Jute is generally sown from March to May and harvested from July to September.

The area under cultivation of jute and the estimated yield follow —

| | 1932 | 1931 | 1930 | 1929 | 1928 | 1927 | 1926 | 1925 | 1924 | 1923 | |
|--------|-----------------------|-------|-------|-------|-------|-------|------------------------|-------|-------|-------|--|
| | (area in 1,000 acres) | | | | | | (yield in 1,000 bales) | | | | |
| Bengal | 1,846 | 1,718 | 1,917 | 2,251 | 2,207 | 6,123 | 7,719 | 5,729 | 8,026 | 7,072 | |
| Bihar | 170* | 171* | 128 | 401 | 115 | 513* | 472* | 744 | 1,110 | 921 | |
| Orissa | — | — | 17 | 13 | 15 | — | — | 45 | 29 | 32 | |
| Assam | 127 | 119 | 115 | 158 | 194 | 310 | 301 | 313 | 452 | 393 | |

TOTAL 2,143 2,670 2,151 2,866 2,861 7,097 8,325 7,240 9,636 8,618

The revised estimated area during 1937 for the four provinces is 2,861,200 acres, a decrease of 21,550 acres, as compared with the revised final forecast for 1936. The decrease in the total output during 1937 onwards as compared with 2,500,000 acres in 1936 is accounted for by the restriction of cultivation in view of heavy fall in price.

Jute is exported mainly to the United Kingdom, Germany, U. S. A. and France.

| | Pre-War Average | 1933-34 | 1934-35 | 1935-36 | 1936-37 |
|-------------------------------------|--------------------|--------------|------------------|--------------|--------------|
| | | | (in 1,000 bales) | | |
| United Kingdom | 1,691 | 992 | 932 | 930 | 1,056 |
| British Empire (excluding U. K.) | 1 | 21 | 30 | 37 | 35 |
| U. S. A. | 535 | 290 | 289 | 145 | 194 |
| France | 128 | 169 | 465 | 121 | 479 |
| Italy | 213 | 361 | 187 | 275 | 423 |
| Brazil | 15 | 107 | 100 | 111 | 118 |
| Japan | 17 | 97 | 130 | 132 | 198 |
| Belgium | — | 313 | 341 | 312 | 390 |
| Spain | 122 | 199 | 211 | 285 | 96 |
| Germany | 920 | 926 | 761 | 851 | 750 |
| Other Countries | 336 | 109 | 438 | 521 | 554 |
| TOTAL | 1,291 | 1,190 | 4,211 | 1,319 | 2,502 |
| Value (in lakhs of Rs.) | — | 10.98 | 10.87 | 13.71 | 14.77 |

* Includes figures for Orissa as well

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RICE.

Rice is the greatest economic crop of India, the principal seats of cultivation being Bengal, Bihar and Orissa, Madras and Burma. Rice is also grown in fairly large quantities in Central Provinces, Assam, Bombay and the United Provinces. It is also grown in the Indian States such as Hyderabad, Mysore, Coorg and Baroda. Rice crop is greatly influenced by the monsoon, the failure of it having much adverse effect on the output. The output of Burma is however constant, the failure of rains being practically unknown there.

The total areas under rice and the yields for respective provinces are shown as under—

| | Average of preceding 5 years | 1936-37 | 1937-38 | Average of 1936 preceding -37 5 years. | 1937 -38 | |
|---------------|------------------------------------|---------|---------|--|-------------|--------|
| | (Area in 1,000 acres) | | | (yield in 1,000 tons). | | |
| Bengal | 21,482 | 21,993 | 22,194 | 8,603 | 9,814 | 9,038 |
| Madras | 11,126 | 9,890 | 10,043 | 5,165 | 4,794 | 4,738 |
| Bihar | 10,026 | 9,949 | 9,515 | 3,302 | 3,359 | 3,145 |
| C. P. & Berar | 7,176 | 7,683 | 7,727 | 2,063 | 2,262 | 2,029 |
| U. P. | 6,399 | 6,683 | 7,033 | 1,795 | 1,928 | 2,022 |
| Assam | 4,798 | 5,433 | 5,023 | 1,556 | 1,900 | 1,737 |
| Orissa | 3,791 | 5,263 | 5,058 | 1,134 | 1,652 | 1,623 |
| Bombay | 2,445 | 2,283 | 2,338 | 1,083 | 877 | 1,078 |
| Sind | 1,200 | 1,188 | 1,188 | 442 | 458 | 501 |
| Coorg | 83 | 85 | 85 | 54 | 55 | 55 |
| Hyderabad | 1,130 | 1,135 | 864 | 347 | 418 | 311 |
| Mysore | 739 | 726 | 705 | 216 | 229 | 220 |
| Baroda | 223 | 179 | 190 | 62 | 28 | 37 |
| Bhopal | 30 | 29 | 29 | 8 | 10 | 9 |
| TOTAL | 70,641 | 72,519 | 71,992 | 25,830 | 27,884 | 26,544 |

Rice crop is known as autumn crop, winter crop or summer crop according as the crop is harvested in autumn, winter or summer.

India is the largest producer of rice in the world. Her output in 1937-38 amounts to 27 million tons as compared with 9.3 million tons in Japan, 6.8 million tons in Burma, 3.8 million tons in Korea, 1.3 million tons in Formosa, 4.7 million tons in Siam and 1065000 tons in U. S. A. during the same period.

The chief foreign purchasers of rice are Ceylon, China, Straits Settlements, Germany, U. K., Netherlands and Sumatra.

WHEAT.

One-tenth of the world's supply of wheat is produced in India. It is grown extensively in the Punjab and the United Provinces, and on a smaller scale in C. P., Bombay, Bihar and Orissa and North-West India. Indian States also grow enormous quantities of wheat, the most important of them being Central India States, Gwalior State, Punjab State, Rajputana State, Hyderabad State, etc. The acreage and yield in the most important wheat-bearing regions are given below for reference.—

| | Average of preceding 5 years | 1935-36 | 1936-37 | Average of preceding 1935 5 years | 1936 -36 | 1936 -37 |
|------------------|------------------------------------|---------|---------|---|-------------|-------------|
| | (area in 1,000 acres) | | | (yield in 1,000 tons). | | |
| Punjab | 9,154 | 9,300 | 9,385 | 2,906 | 3,053 | 3,392 |
| United Provinces | 7,806 | 7,053 | 7,484 | 2,613 | 2,498 | 2,532 |
| C. P. & Berar | 3,431 | 3,389 | 3,140 | 687 | 641 | 600 |

LAKSHMIBILAS BARLEY (PEARL & POWDER).
M. L. BOSE & CO., LTD., CALCUTTA.

| | Acres (thousands). | | Bales of 400 lbs. each (thousands). | | Yield per acre (lbs) | |
|-----------------------------------|-----------------------|--------|---|-------|-------------------------|------|
| | 1936 | 1937 | 1936 | 1937 | 1936 | 1937 |
| Dholleras | — | 37 | 38 | 37 | 37 | 38 |
| Bengal-Sind— | 2,748 | 2,481 | 436 | 474 | 64 | 76 |
| United Provinces | — | 700 | 581 | 175 | 197 | 100 |
| Rajputana | — | 568 | 565 | 85 | 83 | 60 |
| Sind-Punjab | — | 2,495 | 2,628 | 1,208 | 871 | 194 |
| Others | — | 45 | 57 | 9 | 11 | 80 |
| TOTAL | — | 3,808 | 3,881 | 1,477 | 1,162 | 155 |
| American— | — | — | — | — | — | — |
| Punjab | — | 1,626 | 1,772 | 900 | 601 | 221 |
| Sind | — | 569 | 652 | 251 | 240 | 176 |
| TOTAL | — | 2,195 | 2,424 | 1,151 | 841 | 210 |
| Bioach | — | 1,436 | 1,450 | 326 | 327 | 91 |
| Coompta-Dharwars | — | 1,120 | 1,100 | 159 | 145 | 57 |
| Westerns & Northern | — | 1,597 | 1,811 | 173 | 183 | 43 |
| Tinnevellics | — | 564 | 530 | 145 | 124 | 103 |
| Coconadas | — | 160 | 143 | 28 | 25 | 70 |
| Salems | — | 182 | 194 | 36 | 36 | 79 |
| Cambodias | — | 514 | 569 | 206 | 223 | 160 |
| Comillas, Burmas & other soils | — | 137 | 144 | 41 | 55 | 120 |
| GRAND TOTAL | — | 24,590 | 25,334 | 6,008 | 5,407 | 98 |

Exports.

After meeting her own demands India is left with a large surplus of short staple cotton which she has been exporting chiefly to Japan, China, Germany, Italy, Belgium, Austria-Hungary and France. The figures for exports during the last few years follow —

| | 1930 | 1931 | 1932 | 1933 | 1934 | 1935 | 1936 |
|-------------------|-------|-------|-------|-------|-------|-------|-------|
| Quantity | 31 | 32 | 33 | 34 | 35 | 36 | 37 |
| (in 1,000 bales) | 3,926 | 2,369 | 2,063 | 2,729 | 3,490 | 3,397 | 4,268 |
| Value | | | | | | | |
| (in lakhs of Rs.) | 46.73 | 23.78 | 20.70 | 26.59 | 34.95 | 33.77 | 44.41 |

Raw cotton is exported mainly to Japan. The following table gives exports to various countries.—

| | Post-war Average | 1933-34 (in 1,000 bales) | 1934-35 of 400 lbs each) | 1935-36 | 1936-37 |
|----------------------------------|---------------------|-----------------------------|-----------------------------|---------|---------|
| United Kingdom | 152 | 342 | 347 | 456 | 601 |
| British Empire including U K. | 13 | 3 | 6 | 12 | 14 |
| Japan | 1,540 | 1,022 | 2,055 | 1,759 | 2,426 |
| Italy | 263 | 261 | 278 | 154 | 165 |
| France | 91 | 161 | 148 | 166 | 156 |
| China | 289 | 337 | 142 | 109 | 72 |
| Belgium | 217 | 144 | 153 | 225 | 311 |
| Spain | 61 | 61 | 60 | 68 | 26 |
| Germany | 198 | 246 | 153 | 264 | 215 |
| Austria | 32 | — | — | — | — |
| Other Countries | 61 | 152 | 148 | 184 | 256 |
| TOTAL | 2,917 | 2,729 | 3,490 | 3,397 | 4,268 |

LAKSHMIBILAS HAIR OIL—BEST HAIR GROWER.
M. L. BOSE & CO., LTD., CALCUTTA.

| | 1932-33 | 1933-34 | 1934-35 | 1935-36 | 1936-37 |
|---------------|---------|---------|------------------|---------|---------|
| | | | (in 1,000 tons). | | |
| Barley | — | 17 | — | 3 | 10 |
| Jowar & Bajra | — | 16 | 5 | 9 | 7 |
| Maize | — | — | 3 | 2 | 2 |

OIL SEEDS.

Indian production of oil seeds which comprise linseed, groundnut, cotton seeds, castor, sesame, rape and mustard, mahua, copra, etc., on a conservative estimate exceeds 5 million tons annually. This, besides satisfying in full the local requirements for Indian industries and home consumption, leaves huge surplus for exports.

The oil crushing industry is making considerable headway in the country but still there are enormous exports of seeds which are of much economic loss to the country in the shape of loss of oils and oil cakes possessing inestimable value as fertilisers and cattle food. The more important of the seeds are treated under respective head:—

Castor Seed.

Castor seed is grown very widely all over the country. The principal provinces where the plant flourishes most are Hyderabad and Madras which cover between them 70 per cent of the total area under cultivation. The crop is also raised in Central Provinces and Berar, Bihar and Orissa, United Provinces where it is grown as a mixed crop, Bombay, Mysore and Baroda. The seed is harvested from January to February and the late variety which is grown in September is harvested in March and April. The oil besides being used as a lubricant, is now employed in the manufacture of Turkey-red oil, required in the dyeing and printing of cotton goods, preservative of leather belting, and in leather industries.

The area under the crop in various provinces follows:—

| | Average of preceding 5 years | 1936-37 | 1937-38 | Average of preceding 5 years | 1936-37 | 1937-38 |
|-------------|------------------------------------|---------|---------|------------------------------------|---------|---------|
| | (area in 1,000 acres). | | | (yield in 1,000 tons). | | |
| Madras | 304 | 264 | 241 | 30 | 25 | 21 |
| Bombay | 113 | 94 | 89 | 16 | 12 | 13 |
| Bihar | 42 | 33 | 34 | 6 | 5 | 5 |
| C. P. Berar | 35 | 31 | 32 | 6 | 6 | 6 |
| Orissa | 13 | 25 | 20 | 2 | 3 | 2 |
| Hyderabad | 828 | 781 | 520 | 59 | 66 | 40 |
| Baroda | 77 | 68 | 88 | 5 | 2 | 7 |
| Mysore | 103 | 100 | 96 | 5 | 6 | 5 |
| | 1,528 | 1,406 | 1,134 | 131 | 128 | 106 |

The exports of castor seed were 68,749 tons in 1934-35; and 60,000 tons in 1935-36 and 43,100 tons in 1936-37 of which U. S. A. took 1,700 tons, France 6,500 tons, Belgium 3,600 tons and U. K. 205,000 tons.

Cotton Seed.

Cotton seeds of commerce are grown in association with the floss cotton. As a general rule two pounds of cotton seed are obtained when one pound of the actual cotton is produced. Calculating on this basis India's production of cotton seed averages 2 million pounds. The perfect edibility of refined cotton oil extends its use to every purpose for which animal fats are commonly used. It is also used either alone or in conjunction with other animal or vegetable fats in the manufacture of soaps and candles. About 6,000 tons of cotton

LAKSHMIBILAS BARLEY (PEARL & POWDER).

M. L. BOSE & CO, LTD, CALCUTTA.

260 INDUSTRY YEAR BOOK & DIRECTORY, 1938.

| | Average of preceding 5 years. (area in 1,000 acres). | 1935-36 | 1936-37 | Average of preceding 5 years. (yield in 1,000 tons). | 1935 | 1936 |
|-------------------|--|---------------|---------------|--|--------------|--------------|
| Bombay | 1,770 | 1,691 | 1,655 | 310 | 315 | 289 |
| Bihar | 1,216 | 1,142 | 1,129 | 479 | 416 | 435 |
| N. W. F. Province | 991 | 1,029 | 1,105 | 237 | 258 | 287 |
| Sind | 810 | 1,119 | 931 | 244 | 278 | 302 |
| Bengal | 146 | 127 | 149 | 40 | 33 | 46 |
| Punjab States | 1,393 | 1,411 | 1,468 | 438 | 443 | 463 |
| C. I. States | 2,121 | 2,076 | 1,912 | 366 | 360 | 340 |
| Gwalior | 1,433 | 1,631 | 1,423 | 317 | 343 | 331 |
| Hyderabad | 1,260 | 1,247 | 1,308 | 355 | 389 | 342 |
| Rajputana States | 1,405 | 1,575 | 1,281 | 154 | 140 | 200 |
| TOTAL | 33,825 | 33,639 | 33,222 | 9,387 | 9,420 | 9,895 |

The Indian yield of 9.8 million tons of wheat in 1936-37 compares favourably with 23.4 million tons in U. S. A. 4.9 million tons in Canada, 4.6 million tons in Australia, 6.2 million tons in France, 5.1 million tons in Argentine and 6.0 million tons in Italy.

Export and import figures for wheat follow:—

| | 1931-32 | 1932-33 | 1933-34 | 1934-35 | 1935-36 | 1936-37 |
|---------|---------|---------|---------|---------|---------|---------|
| Exports | — | 20 | 2 | 11 | 10 | 231 |
| Imports | — | 111 | 33 | 74 | 13 | — |

The United Kingdom took 206,000 tons of the export.

PULSES.

Under the heading pulses come lentils, beans, and peas. Gram also belongs to this group, but is generally separately dealt with. Exports of pulses during the last few years were: 112,000 tons in 1934-35; 99,000 tons in 1935-36 and 137,000 tons valued at Rs. 1.16 lakhs in 1936-37.

Gram is the chief pulse grown in India, 16.9 million acres being cultivated for this during 1935-36. The yield was estimated at 3.9 million tons. As gram forms an important item in the food of the people of India, only comparatively small quantities are available for export which stood at 23,860 tons valued at Rs. 22½ lakhs in 1936-37.

Among the minor grains mention may be made of barley, jowar and bajra and maize.

Maize is cultivated in small plots throughout the country. Its cultivation on a large scale is only carried out in the Gangetic plain, specially in the United Provinces, Bihar and Orissa and the Punjab. 6.8 million acres were devoted to this crop during 1935-36 and the yield was estimated at 2.3 million tons. The exports are very limited.

Barley is cultivated mostly in the United Provinces and Bihar and Orissa. The area devoted to the crop in 1935-36 was 6.1 million acres and the yield was estimated at 2.3 million tons. Exports in 1936-37 amounted to 10,000 tons valued at Rs. 6,41,000.

Bajra is grown principally in the Bombay and Madras Presidencies and to a fair extent in the Punjab and the United Provinces. The area under cultivation was 16 million acres during 1935-36 with an yield of 2.6 million tons.

Jowar flourishes mostly in Bombay, Hyderabad, Madras, C. P. U. P. and the Punjab. The area under cultivation in 1935-36 was 22.6 million acres. The yield was 6.2 million tons.

Exports of minor grains from India are as shown below:—

LAKSHMIBILAS HAIR OIL—BEST HAIR GROWER.
M. L. BOSE & CO., LTD., CALCUTTA.

It is the seed of the common flax or lint, botanically recognised as *Linum usitatissimum*. This is a late crop, being sown from August to October and harvested from January to April.

The season of sowing varies greatly for the two Presidencies and even for the districts of the same Presidency. Taking the general case, it appears that the crop is sown from May to August and is harvested from November to January. A summer variety is also grown in Madras forming 5 per cent. of the total area under the crop. This variety is sown in February-March and harvested in July-August. It may be added that as a general rule Bombay crop comes in season in November and the Madras crop six weeks after on the average.

Linseed is grown outside India chiefly in U. S. A. (12 million acres, 147,000 tons), in Canada (468,000 acres; 45,000 tons), Argentina (6,536,000 acres; 1,821,000 tons), the figures within the brackets showing the corresponding figures during 1937. Linseed grown outside India is larger and plumper than that obtained in India but linseed of India yields the superior variety of oil. The acreage and yield of linseed in the different provinces follow:—

| | Average of preceding 1935 5 years (area in 1,000 acres). | | | Average of preceding 1935 5 years (yield in 1,000 tons). | | |
|------------------|---|-------|-------|---|------|------|
| | 1921 | 1926 | 1936 | 1921 | 1926 | 1936 |
| C. P. & Berar | 1,021 | 1,261 | 1,261 | 89 | 85 | 89 |
| United Provinces | | | | | | |
| Unmixed | 262 | 195 | 298 | 43 | 34 | 48 |
| Mixed | 614 | 650 | 600 | 100 | 113 | 100 |
| Bihar | 635 | 540 | 550 | 93 | 75 | 84 |
| Bombay | 138 | 119 | 107 | 14 | 12 | 9 |
| Bengal | 123 | 98 | 181 | 23 | 16 | 25 |
| Punjab | 29 | 28 | 31 | 3 | 2 | 3 |
| Orissa | 2 | 9 | 9 | — | 1 | 1 |
| Hyderabad | 319 | 416 | 468 | 23 | 33 | 44 |
| | 3 | | | | | |
| Kotah | 87 | 94 | 94 | 9 | 11 | 10 |
| Bhopal | — | 47 | 45 | — | 5 | 5 |
| Grand Total | 3,230 | 3,457 | 3,594 | 397 | 388 | 418 |

The exports amounted to 238,000 tons valued at Rs 3,00 lakhs in 1934-35, 164,000 tons in 1935-36 and 29,600 tons valued at Rs 436 lakhs in 1936-37. Out of the quantity exported in 1936-37 United Kingdom took 217,500 tons as against 77,000 tons in 1935-36. The trade was shared by Bengal and Bombay thus Bombay 57 per cent and Bengal 40 per cent.

The oil obtained from the seeds, known as linseed oil, has met with extensive uses due to its drying properties in the manufacture of paints, printing ink, floor cloth, vulcanised rubber, oil varnish and soft soap.

Rape Seed and Mustard Seed.

Much confusion exists between the rape seed and mustard seed of commerce. Both of them belong to the genus *Brassica* but while rape seed denotes the species of *Brassica* *Capitata*, mustard seed denotes the species of *Brassica* *Juncea*.

The cultivation of rape seed is pre-eminently restricted to the northern part of India, there being, so to speak, only limited area under tillage in Southern India. The principal provinces where rape seed is grown are the United Provinces, Bengal, Punjab and Bihar and Orissa.

seeds valued at Rs. 3 lakhs were exported during 1933-34, but in the following years the exports received a set-back. These amounted to 636 tons and 730 tons valued at Rs. 39,018 and Rs. 45,215 respectively in 1934-35 and 1935-36. In 1936-37 the exports rose to 9,000 tons.

Groundnut.

The groundnut is the seed of the plant *Archis hypogola* of the natural order Leguminosae. The nuts owe their popularity to their nourishing dietary value and cheapness and are otherwise known as pea nuts, earth nuts, and monkey nuts. The groundnuts are now-a-days extensively cultivated all over the country and have assumed an economic importance of the first magnitude in some provinces. Groundnuts are gradually displacing other products as a raw material for the manufacture of margarine and edible oils. An improvement has been effected in the quality of groundnuts, exported from India, particularly as regards the reduction of fatty acid contents. Madras, Bombay, and the State of Hyderabad comprise a little over 97 per cent of the total area under groundnut in India. Considerable expansion is in view. In Madras, which carries over 50 per cent of the total reported acreage under the crop, varietal and cultural experiments are in progress on a special farm. The introduction of early varieties which do not require irrigation, has given groundnuts the position of being the most important kharif oil seed grown in the Bombay Presidency. Groundnuts have invaded the cotton tracts of the Central Provinces where they are grown either in rotation with or in the place of cotton. Burma is another province where groundnut cultivation has made great headway. There is a great future for the short-season types, as they do well even in light sandy soils. The groundnut has become very popular on the poor soils of Chota Nagpur.

| | Average of preceding 1936 1937 5 years | | | Average of preceding 1936 1937 5 years. | | |
|---------------|--|-------|-------|---|-------|-------|
| | (area in 1,000 acres) | | | (yield in 1,000 tons). | | |
| Madras | — | 2,980 | 3,495 | 4,565 | 1,372 | 1,657 |
| Bombay | — | 1,582 | 1,867 | 2,236 | 666 | 659 |
| C. P. & Berar | — | 165 | 149 | 215 | 41 | 46 |
| Hyderabad | — | 1,060 | 954 | 1,438 | 284 | 316 |
| Mysore | — | 222 | 198 | 198 | 44 | 36 |
| | | 5,989 | 6,663 | 8,652 | 2,407 | 2,714 |
| | | | | | | 3,279 |

The total area returned shows an increase of 30 per cent. The total yield shows an increase of 21 per cent.

Groundnuts are exported to a considerable scale. In 1936-37 the exports amounted to 739,500 tons, of which France took 162,900 tons, Netherlands 128,800 tons, U. K. 91,000 tons, Germany 84,500 tons, and Italy 62,000 tons. The exports were valued at Rs. 12,29 lakhs. The increased exports to France are due to reduction of duty on groundnuts with effect from 1st December, 1936.

The chief ports of export are Madras and Bombay. Out of the total exports Madras was responsible for 80 per cent. and Bombay for 20 per cent.

Linseed.

Linseed is an important winter oil seed of India growing principally in the United Provinces, Bihar and Orissa and the Central Provinces. The other places where the oil seed is also cultivated are Bombay, Bengal, Punjab, Hyderabad and Kotah.

LAKSHMIBILAS HAIR OIL—BEST HAIR GROWER.
M. L. BOSE & CO., LTD., CALCUTTA

AGRICULTURAL RESOURCES OF INDIA

| | Average of preceding 1936 5 years. -37 (area in 1,000 acres). | | 1937 -38 | Average of preceding 5 years (yield in 1,000 tons) | | |
|-----------|--|-------|-------------|---|-----|-----|
| Orissa | 75 | 110 | 112 | 11 | 13 | 16 |
| Hyderabad | 557 | 547 | 548 | 28 | 41 | 40 |
| Baroda | 70 | 53 | 58 | 4 | 2 | 3 |
| Bhopal | 75 | 86 | 81 | 4 | 7 | 6 |
| Total | 4,314 | 3,854 | 4,217 | 435 | 402 | 438 |

A large portion of the seed is used for local consumption. Exports of sesamum were 4,200 tons in 1934-35, 1,300 tons in 1935-36 and 14,000 tons in 1936-37. The exports were valued at Rs 75 lakhs in 1934-35, Rs 27 lakhs in 1935-36, Rs. 27 lakhs in 1936-37. During 1936-37 Italy took 4,300 tons.

TOBACCO.

Tobacco is one of the most valuable crops grown in India, about 39 per cent. of the total quantity of tobacco produced in the world being grown in this country. The estimated area under tobacco amount to 12 million acres approximately. There has been a steady increase in area during the past quinquennium with a 30 per cent. increase on the pre-war average. The tobacco-growing provinces in India are named in order of their importance:—Bengal (307,000), Madras (280,000), Bihar (140,000), Bombay (160,000), Burma (104,000), United Provinces (184,000), Hyderabad (55,000), Punjab (78,000), Mysore (24,000), Central Provinces (14,000), Assam (12,000), etc., the figures within the brackets standing for the area under tillage during 1935-36. The total production of tobacco is nearly 651,000 tons. The annual value of the crop is placed at about ten to fifteen crores of rupees. The leaf produced in India is generally of coarse heavy type, with a dark colour and a strong flavour, as such it suits the local market, and the bulk of the crop is consumed in the country. The export trade is in the neighbourhood of thirty million pounds a year, the largest purchaser being the United Kingdom where Indian leaf is used principally for mixing with other leaf in the preparation of pipe tobacco. Unfortunately, none of the indigenous tobaccos of India possesses the properties of a good cigarette tobacco. It is happy that the Agricultural Departments of India are turning attention to the production of tobacco similar in colour, flavour and texture to the recognised Virginian tobacco.

Imports of unmanufactured tobacco in 1936-37 amounted to 3.3 million lbs. as compared with 3.0 million lbs. in 1934-35. During 1936-37 imports of cigars amounted in weight to 13,871 lbs. and those of cigarettes amounted to 9,19,099 lbs. of which 8,76,957 lbs were drawn from the United Kingdom. Total number of cigarettes imported during the year amounted to 354,311,999, valued at Rs. 31,60,000. The value of unmanufactured tobacco amounted to Rs. 44,77,000 in 1936-37.

COFFEE.

The coffee industry of India is confined to Southern India, comprising the Madras Presidency, Coorg, and the States of Mysore, Travancore and Cochin. Previously returns relating to estates or plantations with an area of less than ten acres were excluded from the scope of these statistics. But as a result of the recommendation of the Royal Commission on Agriculture in India, statistics of smaller plantations (having an area between five and ten acres) have also been included from 1932-33.

LAKSHMIBILAS BARLEY (PEARL & POWDER).
M. L. BOSE & CO., LTD, CALCUTTA.

The crops are sown either in October or November and gathered in February and March and sometimes as early as January for the purpose of cattle fodder.

The acreage under rape seed and yield are illustrated by the following figures:—

| | | Average of preceding 1935 1936 5 years. -36 -37 (area in 1,000 acres). | | | Average of preceding 1935 1936 5 years -36 -37 (yield in 1,000 tons). | | |
|------------------------------|---|---|-------|-------|--|-------|-------|
| United Provinces | | | | | | | |
| Unmixed | — | 258 | 248 | 271 | 40 | 46 | 41 |
| Mixed | — | 2,682 | 2,320 | 2,499 | 402 | 433 | 357 |
| Punjab | — | 994 | 705 | 949 | 142 | 113 | 154 |
| Bengal | — | 734 | 711 | 740 | 155 | 157 | 180 |
| Bihar | — | 608 | 546 | 533 | 135 | 108 | 122 |
| Assam | — | 322 | 363 | 360 | 53 | 45 | 52 |
| Sind | — | 170 | 132 | 138 | 17 | 13 | 14 |
| North-West Frontier Province | — | 99 | 93 | 72 | 8 | 8 | 10 |
| Central Provinces & Berar | — | 70 | 68 | 71 | 16 | 13 | 17 |
| Bombay | — | 36 | 28 | 25 | 8 | 5 | 5 |
| Orissa | — | 18 | 30 | 24 | 4 | 5 | 5 |
| Total | — | 6,072 | 5,338 | 5,771 | 3,230 | 3,457 | 3,594 |

The exports of rape and mustard seed during the three years ending 1936-37 amounted to 36,934 tons, 21,138 tons and 38,000 tons. The exports were valued at Rs. 42 lakhs in 1934-35, Rs. 36 lakhs in 1935-36, and Rs. 54 lakhs in 1936-37. Of the total quantity exported from India about 98 per cent is shipped from Karachi. During 1936-37 the United Kingdom took 9,400 tons, Italy 5,600 tons, Belgium 2,600 tons and France 7,100 tons.

Sesamum.

Sesamum is the seed of *Sesamum Indicum*, an annual herbaceous plant growing copiously in the tropical and sub-tropical parts. In India it is cultivated extensively all over the country and especially in Bombay, Burma, Madras and Central Provinces.

Sesamum is grown as a pure crop all over India and in certain localities such as U P as a mixed crop. There are two crops, a rabi and a kharif one and various cultivated forms of the plant, some specially suitable for growing in the kharif season, other as early as rabi crop. Two at least of these are easily recognised, one with white seed and the other with black. The latter is much the more common form and is reputed to yield a superior oil.

Area under crop and yield during the last few years follow —

| | Average of preceding 1936 1937 5 years -37 -38 (area in 1,000 acres) | | | Average of preceding 1936 1937 5 years -37 -38 (yield in 1,000 tons) | | | |
|------------------|---|-------|-------|---|-----|-----|-----|
| United Provinces | — | 1,203 | 1,065 | 1,323 | 116 | 104 | 115 |
| Madras | — | 760 | 512 | 546 | 96 | 63 | 66 |
| Bombay | — | 585 | 526 | 544 | 71 | 63 | 76 |
| C. P. & Berar | — | 489 | 466 | 488 | 36 | 38 | 40 |
| Bengal | — | 161 | 184 | 210 | 34 | 39 | 46 |
| Bihar | — | 126 | 115 | 114 | 18 | 17 | 17 |
| Punjab | — | 117 | 100 | 95 | 10 | 8 | 7 |

LAKSHMIBILAS HAIR OIL—BEST HAIR GROWER.
M. L. BOSE & CO, LTD, CALCUTTA

FOREIGN TRADE OF INDIA IN 1937.

THE grand total of the imports, exports and re-exports of private merchandise in British India during the calendar year 1937 amounted to Rs. 375 crores. In 1936 it amounted to Rs. 310 crores as compared with Rs. 297 crores in the preceding year 1935. The value of the imports of private merchandise amounted to Rs. 165 crores, exports of Indian merchandise Rs. 202 crores and re-exports of foreign merchandise Rs. 8 crores during the calendar year 1937.

Imports of treasure on private and Government account amounted to Rs. 9 crores while exports thereof reached Rs. 20 crores. The value of the imports of gold in 1937 amounted to Rs. 1.92 lakhs, that of silver Rs. 6.90 lakhs and currency notes Rs. 2 lakhs. Exports of gold were valued at Rs. 18.28 lakhs, those of silver Rs. 1.10 lakhs and currency notes Rs. 27 lakhs, during the same period.

The value of the total trade in merchandise and treasure on private account for each year from 1925 to 1937 are shown in the table below.—

| | Merchandise. Rs. (crores). | Treasure. Rs. (crores). | Total. Rs. (crores). |
|------|-------------------------------|----------------------------|-------------------------|
| 1925 | 633 | 86 | 719 |
| 1926 | 563 | 48 | 611 |
| 1927 | 573 | 38 | 611 |
| 1928 | 580 | 42 | 628 |
| 1929 | 578 | 31 | 609 |
| 1930 | 442 | 31 | 473 |
| 1931 | 308 | 52 | 358 |
| 1932 | 272 | 80 | 352 |
| 1933 | 263 | 54 | 317 |
| 1934 | 278 | 68 | 346 |
| 1935 | 297 | 52 | 349 |
| 1936 | 310 | 49 | 359 |
| 1937 | 375 | 28 | 403 |

Trade by Provinces.—The total imports and exports, including re-exports of private merchandise, of each maritime province during the years 1936 and 1937, are shown in the following table.—

| | Imports. | | Exports including Re-exports. | |
|--------------|-----------------------|---------------|----------------------------------|---------------|
| | 1936 | 1937 | 1936 | 1937 |
| | (in lakhs of rupees). | | | |
| Bengal | 36.67 | 47.51 | 71.95 | 88.52 |
| Orissa | 1 | 1 | — | — |
| Bombay | 47.88 | 69.23 | 39.58 | 45.18 |
| Sind | 13.98 | 19.57 | 21.76 | 29.60 |
| Madras | 15.22 | 25.48 | 32.64 | 39.65 |
| Burma | 10.82 | 2.96 | 19.32 | 7.32 |
| TOTAL | 124.58 | 164.76 | 185.25 | 210.27 |

LAKSHMIBILAS BARLEY (PEARL & POWDER).

M. L. BOSE & CO., LTD, CALCUTTA

The total reported production of cured coffee during 1935-36 was 41,162,079 lbs as compared with 32,775,865 lbs in the preceding year—the yield per acre of plucked area being 333 lbs (126 lbs) in Cochin, 318 lbs. (201 lbs) in Madras, 278 lbs (241 lbs) in Coorg, 251 lbs. (167 lbs) in Travancore and 192 lbs. (187 lbs) in Mysore. The figures for 1934-35 are shown in brackets.

During 1936-37, total exports of coffee aggregated 210,629 cwts, as compared with 215,951 cwts in 1935-36, and 140,963 cwts in 1934-35, the corresponding value being Rs 83,66,777, Rs 1,02,19,549, and Rs 72,70,692, respectively.

The decline in 1936-37 was due to a big drop in the receipts of India's best customer, namely, the United Kingdom, as compared with the previous year. In 1935-36, the exports to that country amounted to 73,071 cwts, whereas, in the year under review, they were less than 50 per cent of that quantity, being only 34,555 cwts. Even the 1934-35 figures, which should be considered as poor, were 36,005 cwts.

It is satisfactory, on the other hand, to find a marked improvement in the offtake by Norway which took, during 1936-37, a total quantity of 33,962 cwts, as compared with 16,721 cwts, in 1935-36, and 15,393 cwts in 1934-35. Several other European countries, excepting Germany and Italy, where evidently trade restrictions explain the shrinkage, also increased their takings. Among other customers, both Iraq and Australia increased their share, and such is noteworthy by reason of the fact that there was a slight recession in both instances in 1935-36.

TEA.

Production, consumption, stocks and prices were satisfactory during 1937. Production in India showed an increase of 27½ million lbs. North Indian exports increased from 292,990,870 lbs in 1936 to 281,684,774 lbs. in 1937. There was, similarly, an increase in the exports from Southern India, from 35,875,167 lbs to 36,643,900 lbs. The yearly average London price for tea was 1s 3 18d. in 1937 as compared with 1s 1 07d in the previous year. The highest price 1s 4 23d, was reached in May, 1937, but, following the two export quota increases in June and November, the price declined.

India's standard exports under the International Tea Agreement are 382,594,779 lbs, and with the figure of regulation at 92½ per cent., India's total permissible exports of tea in 1938-39 will be approximately 347,204,762 lbs.

Under the Indian Tea Control (Amendment) Act of 1936, India's export allotment is not to include the allotment for Burma, Burma's allotment will be about 90,000 lbs. for 1938-39.

As regards South India, the number of signatories to the Agreement amount to about 2,200 estates, comprising 303 registered estates, 1,303 Nilgiri small growers and 483 Travancore small growers. The total production rights allotted to the above estates is 43,685,436 lbs in the current year.

For 1937-38, the production of each estate in India for consumption within the country, in excess of the estate's export quota, was limited to 13 per cent of that estate's crop basis.

RUBBER.

The International Rubber Regulation Committee has fixed the export quota for the first quarter of 1938 at 70 per cent. of the standard assessment.

It is pointed out that the quota countries will produce about 56,000 tons less during the first quarter of 1938 than in the previous quarter.

LAKSHMIBILAS HAIR OIL—BEST HAIR GROWER.
M L BOSE & CO, LTD, CALCUTTA.

IMPORTS & EXPORTS DURING 1936-37.

The following figures show the values of the principal imports and exports of merchandise during the last five years ending 1936-37:—

PRINCIPAL IMPORTS.

| | 1932-33 | 1933-34 | 1934-35 | 1935-36 | 1936-37 |
|--------------------------------------|-----------------------|---------|---------|---------|---------|
| | (in lakhs of rupees). | | | | |
| Cotton and Cotton Goods — | 34.09 | 21.30 | 27.05 | 27.90 | 23.33 |
| Metal & Ores — | 9.74 | 9.50 | 11.38 | 12.03 | 9.69 |
| Machinery and Mill Work — | 10.54 | 12.77 | 12.64 | 13.68 | 14.14 |
| Oils — | 8.00 | 6.75 | 6.97 | 7.25 | 7.25 |
| Vehicles — | 3.82 | 4.77 | 6.60 | 6.92 | 6.58 |
| Grain, Pulse and Flour — | 71 | 84 | 2.66 | 1.62 | 72 |
| Provisions, etc. — | 2.93 | 2.72 | 2.89 | 3.12 | 3.20 |
| Hardware — | 2.99 | 2.88 | 3.05 | 3.27 | 2.89 |
| Wool, raw and manufactures — | 2.96 | 2.55 | 3.86 | 2.79 | 2.87 |
| Silk, raw and manufactures — | 4.33 | 3.59 | 3.37 | 2.78 | 2.42 |
| Instruments, etc. — | 3.85 | 4.02 | 4.73 | 5.18 | — |
| Liquors — | 2.26 | 2.27 | 2.36 | 2.48 | 2.40 |
| Paper and Pasteboard — | 2.86 | 2.63 | 2.73 | 2.99 | 2.82 |
| Spices — | 1.72 | 1.56 | 1.55 | 1.62 | 1.88 |
| Rubber Mnfrs. — | 1.98 | 1.88 | 2.06 | 2.07 | 2.11 |
| Dyes & Tanning Substances — | 2.50 | 2.46 | 3.08 | 3.34 | 3.01 |
| Chemicals — | 2.71 | 2.70 | 2.92 | 3.12 | 2.72 |
| Glass and Glassware — | 1.42 | 1.22 | 1.33 | 1.39 | 1.28 |
| Drugs and Medicines — | 1.86 | 1.93 | 1.92 | 2.11 | 2.07 |
| Fruits and Vegetables — | 1.17 | 1.00 | 1.30 | 1.33 | 1.42 |
| Paints, etc. — | 92 | 92 | 97 | 1.02 | 97 |
| Apparel — | 84 | 82 | 82 | 71 | 80 |
| Tobacco — | 97 | 72 | 62 | 62 | 81 |
| Soap — | 83 | 78 | 63 | 34 | 27 |
| Salt — | 79 | 50 | 52 | 57 | 60 |
| Haberdashery, etc. — | 68 | 55 | 67 | 59 | 64 |
| Building and Engineering Materials — | 77 | 64 | 60 | 73 | 87 |
| Precious Stones — | 84 | 75 | 50 | 43 | 98 |
| Stationery — | 72 | 68 | 69 | 76 | 75 |
| Wood and Timber — | 51 | 54 | 57 | 53 | 49 |
| Belting — | 52 | 46 | 50 | 54 | 46 |
| Tea — | 35 | 25 | 17 | 25 | 18 |
| Manures — | 53 | 52 | 67 | 71 | 80 |
| Arms and Ammunition — | 44 | 43 | 43 | 49 | 66 |
| Earthenware and Porcelain — | 50 | 42 | 44 | 46 | 47 |
| Boots and Shoes — | 52 | 48 | 35 | 29 | 21 |
| Tea Chests — | 48 | 53 | 52 | 58 | 56 |
| Toys & Requisites for games — | 47 | 53 | 51 | 48 | 44 |
| Books — | 46 | 49 | 52 | 53 | 57 |
| Bobbins — | 29 | 22 | 29 | 31 | 22 |
| Gums and Resins — | 24 | 27 | 27 | 28 | 23 |
| Tallow and Stearine — | 25 | 20 | 22 | 23 | 22 |
| Furniture — | 18 | 17 | 20 | 23 | 22 |
| Toilet Requisites — | 58 | 57 | 64 | 68 | 67 |
| Umbrella and Fittings — | 28 | 26 | 27 | 29 | 19 |
| Paper making materials — | 22 | 27 | 28 | 20 | 15 |
| Cutlery — | 24 | 26 | 28 | 29 | 29 |
| Jewellery — | 34 | 5 | 21 | 11 | 16 |
| Clocks and Watches — | 13 | 16 | 16 | 18 | 40 |

LAKSHMIBILAS BARLEY (PEARL & POWDER).
M. L. BOSE & CO., LTD., CALCUTTA.

IMPORTS.

Imports of food, drink and tobacco amounted to Rs. 19.54 lakhs, raw materials to Rs. 35.21 lakhs and manufactured articles to Rs. 107.53 lakhs. Imports of living animals amounted to Rs. 33 lakhs and postal articles and baggages, not specified, to Rs. 2.15 lakhs.

The following table shows the comparative importances of the principal commodities imported into British India during the calendar years 1936 and 1937:—

| | 1936 | 1937 |
|----------------------------|--------------|--------------|
| | (in rupees). | |
| Cotton, raw | 4,71,72,699 | 10,08,42,327 |
| Cotton, twist and yarn | 3,05,44,216 | 2,42,92,562 |
| " piecegoods, grey | 3,76,58,634 | 2,00,23,122 |
| " " white | 4,54,57,364 | 4,45,33,116 |
| " " Coloured, etc. | 5,87,57,319 | 5,46,20,341 |
| Wool manufactures | 2,30,82,456 | 3,23,35,529 |
| Artificial silk | 3,48,59,536 | 5,27,04,671 |
| Iron or steel manufactures | 5,52,35,208 | 6,89,70,707 |
| Coal tar dyes | 2,58,66,254 | 3,66,29,317 |
| Textile machinery | 3,02,41,016 | 3,61,03,866 |
| Electrical instruments | 3,02,58,458 | 3,39,61,779 |
| Chemicals | 2,63,76,664 | 3,39,55,593 |
| Hardware | 3,03,74,883 | 3,40,01,323 |
| Paper | 2,48,87,363 | 3,50,08,403 |
| Motor cars | 2,30,13,920 | 3,00,46,105 |

EXPORTS.

Exports of food, drink and tobacco amounted to Rs. 43.36 lakhs, raw materials to Rs. 98.92 lakhs and manufactured articles to Rs. 56.25 lakhs. Exports of living animals amounted to Rs. 8 lakhs and postal articles to Rs. 3.48 lakhs. The following table shows the comparative importance of the principal commodities exported from British India during the calendar years 1936 and 1937:—

| | 1936 | 1937 |
|-------------------|--------------|--------------|
| | (in rupees). | |
| Cotton, raw | 40,59,65,371 | 39,56,20,050 |
| Cotton piecegoods | 2,25,89,479 | 5,70,99,312 |
| Jute, raw | 13,78,60,216 | 16,23,31,449 |
| Jute gunny bags | 11,68,82,332 | 12,99,64,251 |
| Jute gunny cloth | 14,40,50,809 | 16,70,85,770 |
| Wool, raw | 2,30,05,070 | 3,29,43,019 |
| Tea | 20,42,28,315 | 23,84,57,336 |
| Groundnuts | 9,54,39,886 | 10,79,46,494 |
| Linseed | 4,46,97,311 | 3,52,77,628 |
| Wheat | 1,73,80,605 | 4,58,24,163 |
| Goat skins, raw | 2,56,61,381 | 3,55,39,777 |
| Cow hides, tanned | 2,35,54,866 | 2,84,58,122 |
| Oilcakes | 1,99,10,324 | 2,37,77,558 |
| Lac | 1,93,98,307 | 2,10,20,956 |

BALANCE OF TRADE.

| | 1935 | 1936 | 1937 |
|---|--------------------|---------|---------|
| | (in lakhs of Rs.). | | |
| Exports of Indian merchandise (private) | +156.91 | +180.49 | +202.10 |
| Re-exports of foreign merchandise (private) | +3.81 | +4.76 | +8.17 |
| Imports of foreign merchandise (private) | -135.27 | -123.89 | -164.28 |
| Balance of Trade in Merchandise (private) | +25.45 | +61.36 | +45.99 |

LAKSHMIBILAS HAIR OIL—BEST HAIR GROWER.
M. L. BOSE & CO., LTD., CALCUTTA

INDO-BURMA TRADE.

BURMA being separated from India under the new Government of India Acts a brief description of the nature of transactions between the two neighbouring countries will be illuminating

The following table gives in an abstract form the value of foreign trade between India and Burma during the last few years —

| Year. | Imports from India | Percentage of total imports. | Exports to India (in lakhs of Rs.). | Percentage of total exports. |
|---------|--------------------------|------------------------------------|--|------------------------------------|
| 1931—32 | 9,90 | 49 | 21,30 | 48 |
| 1932—33 | 8,77 | 45 | 26,21 | 58 |
| 1933—34 | 8,42 | 50 | 29,00 | 63 |
| 1934—35 | 10,61 | 51 | 33,32 | 66 |
| 1935—36 | 9,96 | 48 | 34,09 | 60 |

It will be observed that Burma's exports to India have always far exceeded her imports from India, and thus the balance of trade has always been immensely in Burma's favour.

BURMA'S EXPORTS TO INDIA.

The main articles exported by Burma to India are mineral oils, rice, wood and timber, grain, pulse and flour, fresh vegetables, paraffin wax and candles, cutch, lac and tobacco. The following table shows the exports of these commodities to India. —

| Articles. | Average for preceding 3 years. | 1935 -36 | 1936 -37 |
|---|--------------------------------------|-------------|-------------|
| | (in lakhs of Rs.). | | |
| Oils, mineral (excluding paraffin wax) | 12,59 | 15,81 | 16,23 |
| Rice, husked and unhusked | 9,28 | 12,97 | 12,68 |
| Wood and timber | 1,76 | 2,03 | 2,41 |
| Grain, pulse and flour (excluding rice and paddy) | 44 | 45 | 84 |
| Fresh vegetables | 29 | 22 | 22 |
| Paraffin wax and candles | 11 | 11 | 13 |
| Cutch | 6 | 5½ | 5½ |
| Lac | 5 | 10 | 5 |
| Tobacco | 6½ | 3½ | 4 |
| Other articles | 86 | 111 | 111 |
| Total exports to India | 25,51 | 32,88 | 33,76 |

BURMA'S IMPORTS FROM INDIA.

The chief articles imported by Burma from India are cotton piece goods, gunnies, tobacco, coal, grain and pulse, cotton twist and yarn, metals, fish, provisions, spices, oils, fruits and vegetables, seeds, hard ware and cutlery, and coir. The following table shows the imports of these articles from India:—

LAKSHMIBILAS BARLEY (PEARL & POWDER).
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270 INDUSTRY YEAR BOOK & DIRECTORY, 1938.

| | 1932-33 | 1933-34 | 1934-35 | 1935-36 | 1936-37 |
|------------------------------|----------------|-----------------------|----------------|----------------|----------------|
| | | (in lakhs of rupees). | | | |
| Coal & Coke | 10 | 14 | 12 | 13 | 15 |
| Jute & Jute Goods | 13 | 10 | 9 | 11 | 9 |
| Flax & Flax Goods | 17 | 17 | 18 | 18 | 17 |
| Animals, Living | 15 | 23 | 25 | 26 | 16 |
| Fish (excluding Canned fish) | 14 | 15 | 17 | 19 | 18 |
| Matches | — | — | — | 1 | 0.5 |
| All other Articles | 6.16 | 6.29 | 7.83 | 8.01 | 8.18 |
| GRAND TOTAL | 1.32.58 | 1.15.36 | 1.32.29 | 1.34.38 | 1.25.24 |

PRINCIPAL EXPORTS.

| | 1932-33 | 1933-34 | 1934-35 | 1935-36 | 1936-37 |
|----------------------------|----------------|-----------------------|----------------|----------------|----------------|
| | | (in lakhs of rupees). | | | |
| Cotton, raw & waste | 20.70 | 27.81 | 35.44 | 34.47 | 45.17 |
| Jute raw | 9.73 | 10.93 | 10.87 | 13.71 | 14.77 |
| Jute manufactures | 21.71 | 21.37 | 21.47 | 23.49 | 27.95 |
| Cotton manufactures | 3.29 | 2.73 | 2.65 | 2.93 | 3.78 |
| Grain, Pulse and Flour | 16.08 | 11.75 | 11.84 | 12.41 | 15.38 |
| Seeds | 11.31 | 13.66 | 10.54 | 10.33 | 18.47 |
| Tea | 17.15 | 19.85 | 20.13 | 19.82 | 20.04 |
| Hides and Skins raw | 2.77 | 4.25 | 3.13 | 4.13 | 4.43 |
| Leather | 4.76 | 5.83 | 5.48 | 5.63 | 7.36 |
| Metals and Ores | 4.67 | 5.49 | 5.91 | 7.73 | 8.02 |
| Lac | 1.24 | 2.46 | 3.30 | 1.58 | 2.34 |
| Wool, raw and manufactures | 1.91 | 2.72 | 2.17 | 2.93 | 3.74 |
| Oilcakes | 1.97 | 1.65 | 1.97 | 1.82 | 2.37 |
| Paraffin wax | 2.02 | 2.29 | 1.92 | 2.23 | 1.96 |
| Fruits and Vegetables | 70 | 99 | 1.08 | 1.66 | 1.70 |
| Wood and Timber | 56 | 84 | 1.10 | 1.35 | 1.77 |
| Coffee | 1.10 | 1.02 | 73 | 1.02 | 84 |
| Rubber, raw | 9 | 31 | 66 | 89 | 1.04 |
| Spices | 72 | 72 | 77 | 55 | 55 |
| Opium | 11 | 73 | 7 | — | — |
| Fodder and Bran | 70 | 47 | 77 | 73 | 96 |
| Tobacco | 77 | 94 | 82 | 92 | 93 |
| Manures (including bones) | 55 | 50 | 63 | 70 | 98 |
| Dyeing and Tanning Subs. | 75 | 79 | 72 | 70 | 64 |
| Coir | 60 | 77 | 80 | 83 | 71 |
| Mica | 32 | 45 | 69 | 83 | 94 |
| Oils | 54 | 57 | 55 | 64 | 70 |
| Hemp, raw | 32 | 36 | 39 | 60 | 69 |
| Fish | 46 | 45 | 45 | 46 | 45 |
| Coal and Coke | 44 | 38 | 29 | 17 | 20 |
| Provisions | 33 | 28 | 28 | 27 | 28 |
| Drugs and Medicines | 31 | 24 | 26 | 25 | 27 |
| Fibres for brushes | 24 | 22 | 19 | 22 | 20 |
| Bristles | 14 | 17 | 23 | 23 | 24 |
| Saltpetre | 12 | 15 | 14 | 13 | 12 |
| Animals Living | 10 | 10 | 12 | 9 | 8 |
| Apparel | 9 | 11 | 11 | 13 | 14 |
| Bldg & Eng Materials | 9 | 10 | 10 | 10 | 13 |
| TOTAL EXPORTS | 1.32.27 | 1.46.31 | 1.51.21 | 1.60.52 | 1.96.12 |

LAKSHMIBILAS HAIR OIL—BEST HAIR GROWER.
M. L. BOSE & CO., LTD., CALCUTTA

CIVIL DIVISIONS OF INDIA AND BURMA.

The names within parentheses indicate chief towns of Districts where these are other than the names of the Districts. The abbreviations S. D. and S. T. indicate Sub-Division and Sub-Tahsil, respectively.

PRESIDENCIES & PROVINCES

Under the Governor-General of India in Council, including—

- | | |
|---|--|
| 1. Bengal Presy., under a Govt. | 7. The Central Provinces under a Govt. |
| 2. Bombay Presy., under a Govt. | 8. Assam, under a Govt. |
| 3. Madras Presy., under a Govt. | 9. North-West Frontier Province, under a Governor. |
| 4. Bihar under a Governor | 10. Sind, under a Governor. |
| 5. The United Provinces of Agra and Oudh, under a Govt. | 11. Orissa, under a Governor. |
| 6. The Punjab, under a Govt. | |

1.—BENGAL PRESIDENCY—Under a Governor.

In Five Divisions under Commissioners and 28 Districts.

(Population 50,122,550 of which Moslems are 27,530,321, Hindus 21,537,921; Buddhists 315,801, Christians 180,572; Tribal 523,037; Sikhs 7,320 and Jains 9,167).

(1) BURDWAN DIVISION.

(Hd. Qr.:—Chinsurah).

Burdwan, S. D.—Burdwan, Asansole, Katwa and Kalna
 Burdhum (Suri), S. D.—Suri and Rampurhat.
 Bankura, S. D.—Bankura and Vishnupur
 Midnapur, S. D.—Midnapur, Jhargram, Ghatal, Tamluk and Contai.
 Hooghly (Chinsura), S. S.—Hooghly, Serampur and Arambagh.
 Howrah S. D.—Howrah and Ulubaria.

(2) PRESIDENCY DIVISION.

(Hd. Qr.:—Calcutta).

Calcutta, the seat of the Governor of Bengal.
 Twenty-four Parganas (Alipur). S. D.—Diamond Harbour, Alipur, Barasat, Basuhat and Barrackpore.
 Nadia (Krishnagar). S. D. Kustia, Meherpur, Chuadanga, Krishnagar and Ranaghat
 Murshidabad (Berhampur). S. D.

—Berhampur, Lalbagh, Jangipur and Kandi

Jessore S. D.—Jhenida, Magura, Jessoie, Naiail and Bongaon.
 Khulna, S. D.—Khulna, Saikhua and Bagerhat

(3) DACCA DIVISION.

(Hd. Qr.:—Dacca).

Dacca S. D.—Naryanganj, Dacca, Manikganj and Munshiganj.
 Mymensingh S. D.—Jamalpur, Tangail, Netiakona, Mymensingh and Kishoreganj
 Faridpur, S. D.—Faridpur, Madaripur, Gopalganj and Goalundo.
 Bakarganj, S. D.—Barisal, Patuakhali, Pirojpur and Dakshin Shahbazpur.

(4) CHITTAGONG DIVISION.

(Hd. Qr.:—Chittagong).

Chittagong, S. D.—Chittagong and Cox's Bazar.
 Noakhali S. D.—Noakhali and Feni.
 Tipperah, S. D.—Brahmanbaria, Comilla and Chandpur.
 Chittagong Hill Tracts (Rangamati). S. D.—Rangamati and Ramgarh

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| Articles. | | | Average for preceding 3 years | 1935 -36 | 1936 -37 |
|-----------------------|---|---|-------------------------------------|-------------|-------------|
| | | | (in lakhs of Rs.). | | |
| Cotton manufactures | — | — | 1,53 | 2,18 | 1,72 |
| Jute manufactures | — | — | 1,38 | 1,48 | 1,24 |
| Tobacco | — | — | 72 | 69 | 68 |
| Coal | — | — | 52 | 43 | 41 |
| Grain and pulse | — | — | 55 | 49 | 45 |
| Cotton twist and yarn | — | — | 56 | 51 | 42 |
| Metals | — | — | 34 | 34 | 41 |
| Fish | — | — | 31 | 40 | 39 |
| Provisions | — | — | 34 | 35 | 38 |
| Spices | — | — | 44 | 38 | 34 |
| Oils | — | — | 36 | 14 | 32 |
| Fruits and vegetables | — | — | 31 | 28 | 28 |
| Seeds | — | — | 29 | 25 | 19 |
| Hardware and cutlery | — | — | 15 | 16 | 15 |
| Coir | — | — | 7½ | 9 | 9 |
| Other articles | — | — | 1,43 | 1,89 | 2,28 |

| | | | | | |
|--------------------------|---|---|------|-------|------|
| Total imports from India | — | — | 9,31 | 10,04 | 9,74 |
|--------------------------|---|---|------|-------|------|

So far as cotton manufactures are concerned, Burma is a very important market from the point of view of the Indian textile industry. It is obvious that Burma is almost as important a market for Indian cotton manufactures as all other countries put together. As regards jute manufactures, Burma should be regarded as a substantial market for India. With regard to coal and coke, Burma draws more than 90 per cent of her supplies from India.

BURMA'S RICE TRADE IN 1937.

During the year 1937, Burma exported 3,194,336 tons of rice and rice products compared with 3,128,112 tons in 1936. Exports were higher in the previous years they amounted to 3,202,530 tons in 1935, and 3,779,116 tons in 1934. Thus, there has been a progressive deterioration since 1934, though a slight improvement was visible in 1937 as compared with the previous year. The following table shows details of exports during the past two years.

| From | To Europe. | To India (Proper). | To Else- where | Total |
|---------------------|---------------|----------------------------|-------------------|-----------|
| | | (Figures in ton for 1937). | | |
| Rangoon | 531,949 | 839,099 | 997,788 | 2,368,836 |
| Akyab | 27,389 | 235,381 | | 262,768 |
| Bassein | 77,691 | 315,919 | | 393,610 |
| Moulmein | 77,037 | 92,085 | | 169,122 |
| Total exports | 714,066 | 2,480,272 | | 3,194,336 |
| Government estimate | — | | | 2,900,000 |
| | | (Figures in ton for 1936) | | |
| Rangoon | 413,570 | 1,079,057 | 785,318 | 2,277,945 |
| Akyab | 17,346 | 246,040 | | 263,386 |
| Bassein | 45,775 | 338,855 | | 384,130 |
| Moulmein | 71,898 | 130,753 | | 202,651 |
| Total exports | 548,589 | 2,579,523 | | 3,128,112 |
| Government estimate | — | | | 3,500,000 |

LAKSHMIBILAS HAIR OIL—BEST HAIR GROWER.

M. L. BOSE & CO, LTD, CALCUTTA

Poona (Hd Qr. Poona). In charge P.A. to Collector Taluk —Poona City Eastern Sub-Division Taluks —Bhimthadi, Siur (Peta), Indapur, Purandhar, Dhond (Peta) Western Sub-Division. Taluks —Junnar, Khed, Maval, Haveli, Ambegaon (Peta), Mulshi (Peta)

Satara (Hd Qr. Satara) Northern Sub-Division. Taluks —Jayli, Wai, Khatav, Man (Peta), Mahabaleshwar (Peta) Southern Sub-Division Taluks —Kaiad, Patan, Khanapur, Tasgaon, Walva, Shirala (Peta). Central Sub-Division Taluks —Satara, Koregaon

Sholapur (Hd Qr. Sholapur). Sholapur Sub-Division Taluks Sholapur, Barsi, Madha, Karmala, Pandharpur Sub-Division. Taluks —Pandharpur, Sangola, Malsiras

(3) SOUTHERN DIVISION. Principal Languages—Kannarese and Marathi.

Belgaum (Hd Qr. Belgaum), Southern Sub-Division Taluks —Belgaum, Khanapur, Sampgaon, Parasgad, Chandgad (Peta) Northern Sub-Division. Taluks —Athni Chikodi Gokaw, Hukeri.

Bijapur (Hd Qr. Bijapur).

Northern Sub-Division. Taluks. —Indi, Sindgi, Bijapur, Bagewadi. Southern Sub-Division. Taluks —Muddebihal, Badami, Bagalkot, Hungund, Bilgi (Peta).

Dharwar. (Hd. Qr. Dharwar). First Division Taluks —Dharwar, Kalghatgi Second Division Taluks —Karajgi, Ranabennur, Hangal, Kod, Bankapur. Third Division Taluks —Gadag, Navalgund, Ron, Mundargi (Peta), Nargund (Peta), Hubli

Kanara (Hd Qr. Karwar). Karwar Sub-Division. Taluks —Karwar, Ankola, Yellapur, Haliyal, Supa (Peta), Mundgod (Peta). Sisi Sub-Division Taluks —Sisi, Kumta, Honawar, Siddapur, Bhatkal (Peta)

Kolaba (Hd Qr. Alibag). Northern Sub-Division. Taluks —Alibag, Panwel, Uran (Peta). Southern Sub-Division. Taluks: —Pen, Roha, Karjat, Mangaon, Mahad

Ratnagiri (Hd Qr. Ratnagiri) Northern Sub-Division Taluks —Chiplun, Dapoli, Khed, Mandangad (Peta), Guhagar (Peta), Sangameshwar. Southern Sub-Division. Taluks —Ratnagiri, Rajapur, Devgad, Malwan, Vengurla (Peta).

3.—MADRAS PRESIDENCY—Under a Governor. In Twenty-Five Districts.

(Population 47,193,602 of which Hindus are 41,685,148; Muslims 3,332,157, Christians 1,793,742, and Jains 31,239.)

Anantapur Taluks —Dharamavaram, Tadpatri, Gooty, Anantapur, Hindupur, Madakastra, Penukonda, Kalyandrug and Kadiri.

Bellary. Taluks —Bellary, Adoni, Hospet, Alur, Rayadrug, Hadagal, Harpanahalli, Kudligi and Siruguppa.

Chingleput Taluks —Maduranta-kam, Conjeeveram, Saidapet, Tiruvallur, Pooneri, Chingleput and Sriperumbudur.

Chittoor. Taluks —Chittoor, Palmaner, Madanapalle, Vayalpad,

Punganur, Chandragiri, Kalahasti, Puttur and Tiruttani.

Coimbatore, Taluks —Erode, Paladam, Coimbatore, Dharapuram, Kollegal, Pollachi, Udampalpet, Bhavani, Avanashi and Gopichettipalapuram.

Cuddapah. Taluks —Cuddapah, Rajampet, Jammalamadugu, Pulvendi, Proddatur, Badvel, Siddhavattam and Rayachoti Godavari (East) Taluks —Ramchandrapuram, Amalapuram, Bhadrachalam, Rajahmundry, Peddapuram, Cocanada, Pitta-

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(5) RAJSHAHI DIVISION.

(Hd. Qr.:—Jaipalguri).
 Rajshahi (Rampur Boahia). S D
 —Naogaon, Rampur-Boahia and
 Natore
 Dinajpur. S D—Balughat, Tha-
 kuigaon and Dinajpur
 Jaipalguri. S D—Jaipalguri and
 Alipur
 Rangpur. S D—Rangpur, Nil-

phamari, Kurigram and Gai-
 bandha
 Bogra S D—Bogra
 Pabna S D—Pabna and Siraj-
 ganj
 Malda (English Bazar). S D—
 Malda
 Daijeeling S D—Daijeeling,
 Kurseong, Siliguri and Kalim-
 pong

2.—BOMBAY PRESIDENCY—Under a Governor.
In Three Divisions under Commissioners and 19 Collectorates.

(Population 17,916,318 of which Hindus are 15,602,932, Muslims 1,583,259, Christians 299,664, Sikhs 2,398, Jains 198,670, Zoroastrians 85,662, Jews 12,603 and other 129,102)

Bombay Town—Bombay Town

(1) NORTHERN DIVISION.
(Principal Language—Gujarati).

Ahmedabad. (Hd. Qr Ahmeda-
 bad). North Daskroi Prant S.
 D Taluks—North Daskroi
 Dholka Prant S D Taluks
 Sanand (Peta), Dholka, Dhan-
 dhuka, Gogha (Peta) Viram-
 gaon Prant S D Taluks—
 South Daskroi, Prantij, Modasa
 (Peta), Viramgaon

Kaira (Hd. Qr Kaira) Northern
 Prant S D Taluks—Matar,
 Mehamadabad, Nadiad, Kapad-
 vanj, Southern Prant S D
 Taluks—Anand, Boisdad, Thas-
 ra

Broach and Panch Mahals (Hd.
 Qr Broach) Godhra-Prant S D
 Taluks—Godhra, Dohad, Kalol,
 Jhalod (Peta), Halol (Peta)
 Broach Prant S D Taluks—
 Broach, Ankleshwar, Jambusar,
 Vagra

Surat (Hd Qr Surat). Northern
 Prant S D Taluks—Mandvi,
 Olpad, Chorashi, Bardoli, Valod
 (Peta). Southern Prant S D
 Taluks—Bulsar, Chikhli, Jalal-
 pore

Thana (Hd Qr Thana) Kalyan
 Prant S D Taluks—Kalyan,
 Thana Mahal Dahann Prant
 S D Taluks—Palghat, Dahanu,
 Umbergaon (Peta), Vada
 (Peta), Mokhada (Peta), Bhu-
 wandi Prant S D Taluks—

Bhivandi, Shahapur, Murbad,
 Bassein.

Bombay Suburban, South Salsette
 S D Taluks—South Salsette.

(2) CENTRAL DIVISION.

Principal Language—Marathi.

Ahmednagar (Hd Qr Ahmedna-
 gar). Northern Sub-Division.
 Taluks—Shevgaon, Nevasa,
 Kopergaon, Rahuri, Sangamner,
 Akola Southern Sub-Division.
 Taluks—Ahmednagar, Painer,
 Shrigonda, Karjat (Peta), Jam-
 khed (Peta), Pathardi (Peta)
 Khandesh, East (Hd. Qr Jal-
 gaon) Eastern Sub-Division
 Taluks—Jalgaon, Bhusawal,
 Raver, Yaval, Jamner, Edlabad
 (Peta) Western Sub-Division.
 Taluks—Chopda, Brandol,
 Amalner, Parola, Chalisgaon,
 Pachora, Bhadgaon (Peta)
 Khandesh, West (Hd Qr Dhulha).
 Eastern Sub-Division Taluks
 —Dhulha, Sakri, Supur, Sind-
 kheda. Western Sub-Division.
 Taluks—Shahada, Nandurbar.
 Taloda, Navapur (Peta).

Nasik (Hd Qr Nasik). Nasik
 Sub-Division Taluks—Nasik,
 Dindori, Niphad, Sinnar, Igat-
 puri Malegaon Sub-Division
 Taluks—Kalvan, Nandgaon,
 Malegaon, Baglan, Yeola, Chan-
 dor (Peta) Peint Sub-Division
 Taluks—Peint (Peta) (in
 charge of the Divisional Forest
 Officer).

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 are given in **GUIDE TO LIFE ASSURANCE**. Price. Rs. 3/-

Darbhanga (Laheria Sarai). S. D.—Madhubani, Laheria Sarai and Samastipur.

(3) BHAGALPUR DIVISION.

(Hd. Qr.:—Bhagalpur).
Bhagalpur. S. D.—Bhagalpur, Supaul, Madhupura and Banka
Monghyr S. D.—Monghyr, Begu-sarai and Jamui.
Purnea S. D.—Araria (Hd. qrs. at Basantpur). Kishanganj and Purnea
Santhal Parganas (Naya Dumka) S. D.—Deoghar, Dumka, Godda,

Jamtara, Rajmahal and Pakaur.

(4) CHOTA NAGPUR DIVN.

(Hd. Qr.:—Ranchi).

Hazaribagh. S. D.—Hazaribagh, Chatra and Garidih
Ranchi. S. D.—Ranchi, Khunti Gumla and Simdega
Palamau (Daltonganj). S. D.—Daltonganj and Latehai.
Manbhum (Purulia). S. D.—Purulia and Dhanbad.
Singbhum (Chaibassa). S. D.—Chaibassa and Dhalbhum (Hd. Qr. at Jamshedpur).

5.—THE UNITED PROVINCES OF AGRA & OUDH

—Under a Governor.

In Ten Divisions under 9 Commissioners and one, viz.,

Kumaun, under a Deputy Commissioner in Charge.

(Population 49,614,833 of which Hindus are 40,905,586, Muslims are 7,181,927, Christians 205,006, Sikhs 46,500 and Jains 67,954).

(1) MEERUT DIVISION.

Dehra Dun Tahsils —Dehra Dun and Chakrata

Saharanpur Tahsils —Saharanpur, Deoband, Roorkee and Nakur

Muzaffarnagar. Tahsils —Muza-farnagar, Kairana, Jansath and Budhana

Meerut Tahsils.—Meerut, Gha-ziaabad, Mawana, Baghpat, Sar-dhana and Hapur.

Bulandshahr. Tahsils —Anup-shahi, Bulandshahr, Sikandra-bad and Khurja.

(2) AGRA DIVISION.

Aligarh Tahsils —Atiauli, Ali-garh, Iglas, Hathras, Sikandra Rao and Khair.

Muttra Tahsils —Muttra, Chhata. Mat and Sadabad-Mahaban

Agra Tahsils —Itmadpur, Firo-zabad, Bah, Fatehabad, Agra.

Kiraoli and Kheragarh

Mainpuri Tahsils —Mainpuri. Bhongaon, Karhal, Shikohabad and Mustafabad.

Etah Tahsils —Etah, Jalesar, Kasganj, Aliganj

(3) ROHILKHAND DIVISION.

Bareilly Tahsils.—Faridpur, Bareilly, Aonla, Baheri and Nawabganj.

Byrnor. Tahsils —Byrnor, Najaba-bad, Nagina and Dhampur.

Budaun. Tahsils —Gunnaur, Bi-sauli, Sahaswan, Budaun and Dataganj.

Moradabad Tahsils:—Moradabad, Thakurdwara, Bilari, Sambhal, Amroha and Hasanpur

Shahjahanpur. Tahsils —Shah-jahanpur, Jalalabad, Tilhar and Parwayan.

Pilibhit Tahsils —Bisalpur, Pili-bhit and Puanpur.

(4) ALLAHABAD DIVISION.

Farrukhabad (Fatehgarh) Tah-sils —Kanaug, Chhbramaui, Fa-rrukhabad and Kaimganj.

Etawah Tahsils.—Etawah, Bhar-thana, Bidhuna and Aunaiya.

Cawnpore. Tahsils —Akbarpur, Bulhaur, Bhognipur, Cawnpore, Derapur and Ghatampur.

Fatehpur. Tahsils —Fatehpur, Khajua and Khaga

Allahabad, the seat of the Gover-nor Tahsils —Sirathu, Man-jhanpur, Soraon, Phulpur,

Handia, Karchhana, Meja and Chail

(5) JHANSI DIVISION.

Jhansi Tahsils —Jhansi, Mau, Gaiottha, Moth, Lahtpur and Mahroni.

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puram, Tuni, Polavaram, Chodavaram, Vellavaram, Razole and Nugur.

Godavari (West). Taluks:—Tadepalligudem, Bhimavaram, Narasapur, Ellore, Tanuku, Kovvur and Chintalapudi

Guntur. Taluks —Tenali, Bapatla, Ongole, Narasaravupet, Repalle, Vinukonda, Sattenapalle, Guntur and Palnad

Kistna Taluks —Gudivada, Bandar, Divi, Bezvada, Nandigama, Nuzvid, Gannavaram, Tiruvur and Kaikalur.

Kurnool Taluks —Koulikuntla, Nandyal, Pattikonda, Nandikotkur, Cumbum, Markapur, Sirvel, Dhone, Kurnool

Madras. Taluk —Madras

Madura Taluks —Madura, Dindigul, Tirumanagalam, Melur, Palni, Periyakulam, Nilakkottai and Kodaikanal

Malabar (Calicut) Taluks —Ponnani, Ernad, Kurumbranad, Palghat, Walluvanad, Wynaad, Calicut, Chirakkal, Kottayam and Cochin

Nilgiris, The Taluks —Coonoor, Ootacamund and Gundalur.

Nellore Taluks —Nellore, Gudur, Atmakur, Kandukur, Kavali, Udayagiri, Kanigiri, Rapur, Darsi, Podili, Venkatagiri, Kovur and Salurpet

North Arcot Taluks —Wandiwash, Gudiyattam, Vellore, Polur, Arni, Cheyyar, Tirupattur, Tiruvannamalai, Wallajah, Arkonam and Chengam

Ramnad Taluks —Ramnad. Mu-

dukulattur, Paramagudi, Arupukkottai, Tirupattur, Tiruvadanai, Sivaganga, Srivilliputtur and Sattur.

Salem Taluks —Salem, Tiruchengode, Attur, Hosur, Krishnagiri, Dharmapuri, Namakkal, Rasipur, Omalur, Harur and Yercaud.

South Arcot (Cuddalore) Taluks —Chidambaram, Vilupuram, Cuddalore, Tindivanam, Tirukoyillur, Virudhachalam, Kallakurichi and Gingee

South Kanara (Mangalore) Taluks —Mangalore, Udipi, Kasaragod, Puttur, Coondapoor and Karkal

Tanjore Taluks —Kumbakonam, Nannilam, Negapatam, Tanjore, Mayavaram, Tirutturaipundi, Pattukottai, Mannargudi, Shiyali, Pappasam and Arantangi

Tinnevelley (Palamcottah) Taluks —Srivaikuntam, Ambasamudram, Tinnevelley, Nanguneri, Sankarancovil, Tenkasi, Tiruchendur, Kolipatti and Anjengo

Trichinopoly Taluks —Trichinopoly, Musiri, Udayarpalayam, Perambalur, Kulittalai, Lalgudi and Karur.

Vizagapatam. Taluks —Golugonda, Sarvasiddhi, Palakonda, Ankapalle, Viravalli, Vizagapatam, Srungavarapukota, Vizianagaram, Salur, Bobbili, Chipurupalli, Gudem, Chicacole, Tekkali, Ichchpur, Patapatnam, Parvatipur, Sompeta and Bhillapatam.

4.—BIHAR—Under a Governor.

In Four Divisions under Commissioners and 16 Districts.

(Population 32,558,056 of which Hindus are 26,042,745, Muslims 4,142,743, Tribals 2,030,016 and Christians 332,549).

(1) PATNA DIVISION.

(Hd. Qr.—Bankipur).

Patna (Bankipur). S D—City Sub-division, Patna Sadar, Dina-pore, Barh and Bihar.

Gaya. S D—Gaya, Nawada, Jahanabad and Aurangabad

Shahabad (Arrah). S D—Arrah, Buxur, Sasaram and Bhabhua.

(2) TIRHUT DIVISION.

(Hd. Qr.—Muzaffarpur).

Saran (Chapra). S D—Chapra, Gopalganj and Siwan

Champaran (Mothari). S D—Mothari and Bettiah

Muzaffarpur S D—Sitamarhi, Muzaffarpur and Hajipur

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Ferozepur. Tahsils.—Ferozepur, Zira, Moga, Muktesar, Fazilka, Abohar (S.T.) and Nalhana

(3) LAHORE DIVISION.

Lahore, seat of the Govt. Tahsils.

—Lahore, Chumian and Kasur.

Amritsar. Tahsils.—Amritsar, Tarn Taran and Ajnala.

Gurdaspur. Tahsils.—Gurdaspur, Batala, Pathankot, Shakargarh and Dalhousie (S.T.)

Sialkot Tahsils.—Sialkot, Pasrur, Narowal and Daska.

Gujranwala Tahsils.—Gujranwala, Wazirabad and Hafizabad

Sheikhpura Tahsils.—Shaikpur (S.T.), Nankana Sahib, Shahdara and Sheikhpura.

(4) RAWALPINDI DIVISION.

Gujrat Tahsils.—Gujrat, Khartan and Phalia

Shahpur. Tahsils.—Shahpur, Khushab, Bhalwal, Bhera and Sargodha

Jhelum Tahsils.—Jhelum, Pind Dadan Khan and Chakwal

Rawalpindi. Tahsils.—Rawalpindi, Gujar Khan, Murree and Kahuta.

Attock Tahsils.—Attock, Pindigheb, Talagang and Fatehjang, Mianwali Tahsils.—Mianwali, Bhakkar, Isa Khel.

(5) MULTAN DIVISION.

Montgomery Tahsils.—Montgomery, Okara, Dipalpur and Pakpattan.

Dera Ghazi Khan Tahsils.—Dera Ghazi Khan, Sanghar, Rajanpuri, Jampur and Dhundi (Estate).

Muzaffargarh Tahsils.—Muzaffargarh, Alipur, Kot Adu and Loral

Multan Tahsils.—Multan, Shujabad, Lodhian, Khanewal, Mailsi and Kabirwala

Jhang Tahsils.—Jhang, Chiniot and Shorkot

Lyallpur Tahsils.—Lyallpur, Samundri, Jaranwala and Toba Tek Singh

7.—C. P. & BERAR—Under a Governor.

In Four Divisions under Commissioners and 19 Districts.

(Population 15,507,723 of which Hindus are 13,338,223, Moslems 682,854; Tribals 1,851,615, Christians 50,584 and Jains 77,895)

(1) NAGPUR DIVISION.

(Hd. Qr.:—Nagpur).

Nagpur S D.—Nagpur, Kamptee, Ramtek, Umrei, Katol and Seoner

Wardha S D.—Wardha, Hingnath and Aivi.

Betul S D.—Betul and Bhainsdehi

Chhindwara S D.—Chhindwara, Sausar, Seoni and Laknadon.

Chanda S D.—Chanda, Warora, Brahmapuri, Sironcha and Garehuroli

(2) JUBBULPUR DIVISION.

(Hd. Qr.:—Jubbulpur).

Jubbulpur S D.—Jubbulpur City, Sihora and Murwaha

Saugor S D.—Saugor, Rehl, Khurai, Banda, Damoh and Hatta

Mandla S D.—Mandla, Dindori.

Hoshangabad S D.—Hoshangabad, Seoni-Malwa, Harda, Pachmarhi, Sohagpur, Nar-

singhpur, Gadawara

Nimar S D.—Khandwa, Burhanpur and Harsud.

(3) GHATTISGARH DIV.

(Hd. Qr.:—Raipur).

Raipur S D.—Raipur, Dhamtari.

Bilaspur S D.—Bilaspur, Mungeli and Janjgir.

Drug S D.—Drug.

Bhandara S D.—Bhandara, Gondia and Sakoli.

Balaghat S D.—Balaghat, Baihar and Waraseoni.

(4) BERAR DIVISION.

(Hd. Qr.:—Amraoti).

Amraoti S D.—Amraoti, Chandur, Morsi, Ellichpur, Daryapur and Melghat.

Yeotmal S D.—Yeotmal, Darwaha, Kelapur, Wun and Pusad.

Akola S D.—Akola, Balapur, Akot, Murtizapur, Mangrul and Basim.

Buldana S D.—Chikhi, Mehkar, Malkapur, Khamgaon, Jalgaon.

Jalaun. Tahsils:—Orai, Kalpi, Jalaun and Kunch.
 Hamirpur. Tahsils:—Hamirpur, Patti, Mahoba and Mandla.
 Banda. Tahsils:—Banda, Girwan, Baberu, Mau and Karwi.

(6) BENARES DIVISION.

Benares. Tahsils:—Benares and Chandaoli.
 Mirzapur. Tahsils:—Mirzapur, Chunar, Robertsganj, Stone Mahal and Dudhi.
 Jaunpur. Tahsils:—Jaunpur, Machhlishahr, Shahganj, and Kerkati.
 Ghazipur. Tahsils:—Ghazipur, Muhammadabad and Saidpur.
 Ballia. Tahsils:—Ballia, Rasra and Bansdih.

(7) GORAKHPUR DIVISION.

Gorakhpur. Tahsils:—Gorakhpur, Barsaon, Hata, Deoria, Padrauna and Maharaiganj.
 Basti. Tahsils:—Domariaganj, Barsi, Harriya, Basti and Khamhabad.
 Azamgarh. Tahsils:—Azamgarh, Leiganj, Pritpur, Sagr, Muhammadabad and Ghosi.

(8) KANAUJ DIVISION.

Naini Tal. Tahsils:—Tara, Haidwar, Naini Tal and Kashi.

Almora. Tahsils:—Almora and Champawat.
 Garhwal (British). Tahsils:—Pauri and Lardowne.

(9) LUCKNOW DIVISION.

Lucknow. Tahsils:—Lucknow, Mohanlalganj and Malitabad.
 Unao. Tahsils:—Unao, Safipur, Purwa and Hasanganj.
 Rae Bareilly. Tahsils:—Rae Bareilly, Daima, Maharaiganj and Salon.
 Sitapur. Tahsils:—Sitapur, Bawan, Sidhauri and Misrikh.
 Hardoi. Tahsils:—Hardoi, Shahabad, Bilgram and Sandila.
 Kheri (Lakhimpur). Tahsils:—Muhardi, Nigahsan and Lakhimpur.

(10) FYZABAD DIVISION.

Fyzabad. Tahsils:—Akbarpur, Bikapur, Fyzabad and Tarca.
 Gonda. Tahsils:—Gonda, Taraganj and Utraula.
 Bahraich. Tahsils:—Bahraich, Karsarganj and Nanpara.
 Sultanpur. Tahsils:—Sultanpur, Amethi, Mursarkhana and Kadiapur.
 Partabgarh. Tahsils:—Partabgarh, Kurda and Patti.
 Bara Banki. Tahsils:—Bamsan, Chighat, Nawabganj, Fatehpur and Haidargarh.

6.—THE PUNJAB—Under a Governor.

In Five Divisions under Commissioners and 29 Districts.

12,322,467; Christians 414,738; Sikhs 2,064,144 and Jains 35,284.
 (Population 23,550,652 of which Hindus are 6,322,598; Muslims

DELHI, Imperial Enclave, Capital of India and seat of Viceroy, under a Chief Commissioner.

Hissar. Tahsils:—Hissar, Hansi, Bhiwani, Fatehabad, Sirsa, Tohana (S.T.) and Dabwali (S.T.).
 Rohtak. Tahsils:—Rohtak, Sonapat, Jhajjar and Gohana.
 Gurgaon. Tahsils:—Gurgaon, Firozpur Jhirka, Nuh, Palwal, Rewari and Ballabgarh.
 Karnal. Tahsils:—Karnal, Panipat, Nathal, Thanesar and Gubla (S. T.).
 Ambala. Tahsils:—Ambala, Khar-

rar, Jagadhri, Narainagarh, Rupar and Kalha (S.T.).

Simla. Tahsils:—Simla and Kotkhai.

(2) JULLUNDUR DIVISION.

Kangra. Tahsils:—Kangra, Dehra, Hamirpur, Nurpur, Nulu and Palampur.
 Hoshiarpur. Tahsils:—Hoshiarpur, Dasuya, Garhsanar and Una.
 Jullundur. Tahsils:—Jullundur, Nawashahr, Pillaaur and Nalodar.
 Ludhiana. Tahsils:—Ludhiana, Jagraon and Samrala.

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(3) LARKANA DISTRICT.

(Hd. Qr. Larkana).

Kambar. S. D. Taluks —Kambar, Mirokhan, Warah, Shahdadkot. Larkana. S. D. Taluks —Larkana, Labdaiya, Ratodero.

(4) UPPER SIND FRONTIER DISTRICT.

(Hd. Qr. Jacobabad).

Jacobabad. S. D. Taluks —Jacobabad, Garhi Khairu. Kandhkot. S. D. Taluks —Kandhkot, Thul, Kashmore.

(5) SUKKUR DISTRICT.

(Hd. Qr. Sukkur).

Rohri. S. D. Taluks —Rohri, Pano Akil, Ghotki, Mirpur Mathelo, Ubauro. Shikarpur. S. D. Taluks —Sukkur, Shikarpur, Garhi Yasin.

(6) NAWABSHAH DISTRICT.

(Hd. Qr. Nawabshah).

Naushahro. S. D. Taluks —Naushahro, Kandiaro, Moro, Sakrand. Nawabshah. S. D. Taluks —Nawabshah, Shahdadpur, Sinjhoio.

(7) HYDERABAD DISTRICT.

(Hd. Qr. Hyderabad).

Hala. S. D. Taluks —Hyderabad, Tando Allahyar, Hala. Tando. S. D. Taluks —Guni, Dero Mohbat, Tando Bago, Badin.

(8) THAR PARKAR DISTRICT.

(Hd. Qr. Mirpurkhas).

Nara Valley. S. D. Taluks —Khipro, Samaro, Sanghai, Umakote. Desert. S. D. Taluks —Mithi, Chachio, Diplo, Nagar Parkar

11.—ORISSA—Under a Governor.

In 8 Districts covering an area of 32,750 square miles.

Population about 80 lakhs

(1) CUTTACK DISTRICT.

(Hd. Qr. Cuttack).

Sadar. S. D. Thanas —Cuttack, Banki, Salepur, Tirtol, Jagat-singhpur. Kendrapara. S. D. Thanas —Kendrapara, Patamunda, Aul or Rajabari. Jajpui. S. D. Thanas.—Jajpui, Dharamsala.

(2) ANGUL DISTRICT.

Angul. S. D. Thana.—Angul

(3) BALASORE DISTRICT.

(Hd. Qr. Balasore).

Bhadrak. S. D. Thanas.—Bhadrak, Basudevpur, Dhamnagar, Chandbali.

Sadar. S. D. Thanas —Soro, Balasore, Jaleswar, Balapal, Basta.

(4) PURI DISTRICT.

(Hd. Qr. Puri).

Sadar. S. D. Thanas —Puri, Gop. Pipri.

Khurda. S. D. Thanas —Khurda, Banpur.

(5) SAMBALPUR DISTRICT.

(Hd. Qr. Sambalpur).

Sadar. S. D. Thanas —Sambalpur, Jharsugra, Laikera, Mura, Rampella, Katrbaga, Sason, Dhama, Mundher, Padampur.

Bargarh. S. D. Thanas —Bargarh, Attabira, Sohela, Ambabhona. Padampur, Bheran, Bijepur, Melchhamunda, Gausliet, Jagdalpur, Barpali, Bhatil, Paikmal.

Nawapara. S. D. Thanas.—Nawapara, Khairor, Konna.

(6) GANJAM DISTRICT.

(Hd. Qr. Chatrapur).

Chatrapur. S. D. Taluks.—Kodala, Chatrapur.

Berhampur. S. D. Taluks.—Berhampur, Parlakumidi.

Ghumsur. S. D. Taluks.—Ghumsur, Aska, Surada.

Balliguda. S. D. Taluks.—Balliguda, G. Udayagiri.

(7) KHONDMALS DISTRICT.

Khondmal. S. D. Thana.—Phulbani.

(8) KORAPUT DISTRICT.

(Hd. Qr. Koraput).

Koraput. S. D. Taluks —Jeypore, Nowrangapur, Koraput, Poltangi, Malkangiri.

Gunupur. S. D. Taluks —Gunupur, Bisamcuttak, Rayaghada

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8.—ASSAM—Under a Governor.**In Two Divisions under Commissioners and 14 Districts.**

(Population 2,247,857 of which Hindus are 4,931,760; Moslems 2,755,914, Christians 202,586, Buddhists 14,955; Jains 2,636 and Sikhs 2,497).

(1) SURMA VALLEY AND HILL DISTRICTS.

Cachar (Silchar). S. D.—Silchar. Hailekandi and North Cachar Hills.

Sylhet. S.D.—Sylhet Sadar, South Sylhet (Maulvi Bazar), Habiganj, Sunamganj and Karimganj.

Khasia and Jaintia Hills. S.D.—Shillong and Jowai.

Naga Hills (Kohima). S. D.—

Kohima and Mokokchung Lushai Hills (Aijal). S. D.—Aijal and Lunglêh.

(2) ASSAM VALLEY DISTRICTS.

Goalpara (Dhubri). S.D.—Dhubri

and Goalpara.

Kamrup (Gauhati). S.D.—Gauhati and Barpeta.

Darrang (Tezpur). S. D.—Tezpur and Mangaldai.

Nowgong. S. D.—Nowgong.

Sibsagar (Jorhat) S. D.—Jorhat, Sibsagar and Golaghat.

Lakhimpur (Dibrugarh). S. D.—Dibrugarh and North Lakhimpur.

Garó Hills (Tura). S. D.—Tura.

Sadiya Frontier Tract (Sadiya), S. D.—Sadiya, Pasighat.

Balipara Frontier Tract (Char-duar). S. D.—Charduar.

9.—NORTH-WEST FRONTIER PROVINCE**Under a Governor.**

(Population 4,684,364 of which Moslems are 2,227,303; Hindus 142,987; Sikhs 42,510 and Christians 12,213).

(1) PESHAWAR DIVISION.

Hazara. Tahsils:—Abbottabad, Haripur, Mansehra, Oghi, and Hazara Galls.

Peshawar. Tahsils:—Peshawar. Charsada and Nowshera.

(2) MARDAN DIVISION.

Mardan. Tahsils:—Mardan and Swabi.

(3) DERAJAT DIVISION.

Kohat. Tahsils:—Kohat, Hangu and Teri.

Bannu. Tahsils:—Bannu and Marwat (Lakki).

Dera Ismail Khan. Tahsils:—Dera Ismail Khan, Kulachi, Tank Sherani Country and Jandola.

(4) AGENCY DIVISION.

Khyber Agency. Kurram Agency, Tahsils:—Parachinar.

Dir., Swat and Chitral Agency. Hd. Qr. Malakand. Tahsils:—Chitral, Upper Swat and Sam Ranizai (Lower Swat).

North Waziristan and South Waziristan Agencies.

10.—SIND—Under a Governor.

(Population 38,87,070).

(1) KARACHI DISTRICT.

(Hd. Qr. Karachi).

Tatta. S. D. Taluks:—Karachi, Tatta, Ghorabari, Mirpur Sakro, Ketibander (Mahal).

Shahbander. S. D. Taluks:—Shahbander, Jati, Mirpur Bathoro,

Sujaawal.

(2) DADU DISTRICT.

(Hd. Qr. Dadu).

Sehwan. S. D. Taluks:—Sehwan, Kotri, Kohistan (Mahal).

Dadu S. D. Taluks:—Dadu, Johi, Kakar, Mehr.

All forms of Marine, Fire and Accident Insurance are included in Guide to Marine, Fire & Accident Insurance. Industry Book Dept., Rs 2/8.

2.—MYSORE STATE.

(Population 6,557,302 of which Hindus are 6,161,887; Moslems 412,405 and Christians 90,968).

For administrative purposes the State has been constituted into eight revenue Districts each under the control of a Deputy Commissioner and District Magistrate. The eight Districts with the Taluks and Sub-Taluks under its charge are as follow.—

Bangalore District. Taluks.—Bangalore, Hoskote, Doddballapur, Nelamangala, Kankanhalli, Magadi, Closepet, Chennapatna, Anekal and Devanhalli.

Hassan District. Taluks—Hassan, Manjarabad, Belur, Aisikeere, Chennarayapatna, Hole-Narsipur, Arkalgud and Alur.

Kolar District. Taluks.—Kolar, Bowringpet, Chintamani, Sriniwasapur, Mulbagal, Sidlaghatta, Chickhallapur, Bagepalli, Goribidnur, Malur, Gudibanda and Kolar Gold Fields Sanitary Board Area.

Tumkur District. Taluks—Tumkur, Madhugiri, Chiknayakanhalli, Sira, Gubbi, Tiptur, Pavagada, Kunnigal, Koistagere and Turuvekera.

Mysore District. Taluks—Mysore, Chamarajnagar, Hunsur, Yedatoire, Heggadadevankote, Gundlupet, Nanjangud, Seringapatam, Malvalli, Mandya, Krishnarajpet, Nagamangala, T-Narsipur, Periyapatna and Yelandur.

Kadur District. Taluks—Tarikere, Chickmagalur, Kadur, Koppa, Mudigeire, Narasimharajpur and Singeri.

Shimoga District. Taluks—Chennagiri, Honnali, Nagar, Shikarpur, Shimoga, Sorab, Tirthahalli, Sagar and Kumsi.

Chitaldrug District. Taluks—Chellakeire, Chitaldrug, Davangere, Hiniyur, Holalkere, Jagalur, Molakalmuru, Hosdurga and Harihar.

3.—KASHMIR & JAMMU—Under the Maharaja.**4.—GWALIOR—Under the Maharaja and a Resident.****5.—BARODA—Under a Maharaja and A. G. G. Gujrat States and Resident at Baroda.****6.—BHUTAN—Under a Maharaja and a Political Officer in Sikkim.****7.—SIKKIM—Under a Maharaja and a Political Officer in Sikkim.****STATES AGENCY.**

Baluchistan Agency:—Kalat, Las Bela.

Central India Agency:—Indore, Bhopal, Rewa, Orchha, Datia, Dhar, Dewas (Senior Branch), Dewas (Junior Branch), Samthar, Jaora, Ratlam, Panna, Charkhari, Ajagarh, Bijawar, Baoni, Chhatarpur, Sitamau, Sailana, Rajgarh, Narsingharh, Baraundha, Nagod, Malhai,

Jhabua, Barwani, Ali Rajpur, Khilchipur and 69 Non-Salute States.

Deccan States Agency:—Kolhapur, Janjira, Sawantwadi, Mudhol, Sangli, Bhor, Aundh, Akalkot, Phaltan, Jath, Savanui, Miraj (Senior), Miraj (Junior), Jamkhandi, Kurundwad (Senior), Ramdurg, Kurundwad (Junior).

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CIVIL DIVISIONS OF INDIAN STATES.**STATES IN IMMEDIATE POLITICAL RELATIONS WITH THE GOVERNMENT OF INDIA.**

- | | |
|--|--|
| <ol style="list-style-type: none"> 1. Hyderabad, under H E the Nizam and a Resident, at Hyderabad 2. Mysore, under the Maharaja and a Resident in Mysore 3. Jammu and Kashmir, under the Maharaja and a Resident in Kashmir 4. Gwalior, under the Maharaja and a Resident at Gwalior 5. Baroda, under the Maharaja and Agent to Governor General, Gujrat States and Resident at Baroda 6. Bhutan, under the Maharaja and a Political Officer in Sikkim 7. Sikkim, under the Maharaja and a Political Officer in Sikkim 8. States included in the Baluchistan Agency, under the A G G in Baluchistan 9. States forming the Central India Agency, under the A G G in Central India 10. States forming the Deccan States Agency, under the A G G Deccan States and Resident at Kolhapur 11. States forming the Eastern | <ol style="list-style-type: none"> States Agency, under the A G G Eastern States 12. States forming the Gujarat States Agency, under the A G G, Gujrat States and Resident at Baroda 13. States forming the Madras States Agency, under the A G G, Madras States 14. States included in the N W F Province, under the Governor and A G G, N W F Province. 15. States forming the Punjab States Agency, under the A G G, Punjab States 16. States forming the Rajputana Agency under the A G G, in Rajputana 17. States forming the Western India States Agency under the A G G, in the States of Western India 18. States in Relations with the Government of Assam 19. States in Relations with the Government of Bengal 18. States in Relations with the Government of the Punjab 19. States in Relations with the Government of the United Provinces |
|--|--|

**1.—THE NIZAM'S DOMINIONS—(Hyderabad State).
Sixteen Districts Under Four Subas.**

(Population 14,436,148 of which Hindus are 12,176,727, Moslems 1,534,666, Christians 151,382, Jains 21,543 and Sikhs 5,178)

(1) SUBA AURANGABAD.

Aurangabad
Bir
Farbhani
Nander

(2) SUBA GULBURGA.

Gulbarga
Raichur
Osmanabad
Bidar

(3) SUBA WARANGAL.

Warangal
Adilabad
Kamunagar
Nizamabad

(4) SUBA MEDAK.

Medak
Mahboobnagar.
Nalgonda.
Baghat

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CIVIL DIVISIONS OF INDIA AND BURMA

(2) PEGU DIVISION. (Hd. Qr.:—Rangoon).

Rangoon Town, the seat of the Governor.

Hanthawaddy, S.D.—Twante and Syriam.

Insein, S. D.—Insein and Talkkyl, Tharrawaddy, S.D.—Tharrawaddy and Zigon.

Pegu, S.D.—Pegu and Nyaungla-bu.

Prome, S.D.—Prome and Paungde.

(3) IRRRAWADDY DIVISION. (Hd. Qr.:—Bassein).

Bassein, S.D.—Bassein and Kyon-pyaw.

Henzada, S.D.—Henzada and Myanaung.

Myaungmya, S.D.—Myaungmya and Wakema.

Maubin, S.D.—Maubin and Yandoon.

Pyapon, S.D.—Pyapon and Kyauklat.

(4) TENASSERIM DIVISION. (Hd. Qr.:—Moulmein).

Salween, S. D.—NIL.

Tha-ton, S. D.—Kyaukto, Tha-ton and Pa-an.

Amherst, S. D.—Moulmein, Kaw-kareik and Kyaukkami or Amherst.

Tavoy, S. D.—NIL.

Mergui, S. D.—Kawthaung or Victoria Point.

Toungoo, S. D.—Toungoo, Pyu and Shwegyin.

UPPER BURMA.

In Four Divisions under Commissioners and 19 Districts.

(1) MANDALAY DIVISION.

Mandalay, S.D.—Eastern Mandalay (Amarapura), Western (Mandalay), Madaya, and Maymyo.

Kyaukse, S. D.—NIL.

Meiktila, S. D.—Meiktila and Thakl.

Yamethin, S. D.—Yamethin and Pymmana.

Myingyan, S. D.—Myingyan and Pagan.

(2) MAGWE DIVISION.

Thayetmyo, S. D.—Thayetmyo and Ahanmyo.

Minbu, S. D.—Minbu and Salin.

Magwe, S. D.—Magwe, Yenang-yaung and Taungdwingyi.

Pakokku, S. D.—Pakokku, Pauk and Gangaw.

Chin Hills (Falam), S.D.—Falam, Tiddim, Haka and Kanpetlet.

(3) SAGAING DIVISION.

Shwebo, S. D.—Shwebo, Kanbalu and Ye-a.

Sagaing, S. D.—Sagaing and Myinmu.

Lower Chindwin (Monywa), S. D.—Monywa and Yinnabin.

Upper Chindwin (Mawlaik), S. D.—Mawlaik, Homalin, Kale (Kalewa) and Somra Tract (Chin Hills).

Katha, S. D.—Katha, Wuntho and Mogok.

Bhamo, S. D.—Bhamo and Shwegu.

Myitkyna, S. D.—Triangle, Myitkyna, Mogaung, Kamaing, Sadon, Htawgaw, Putao and Sumptra Bum.

(4) FEDERATED SHAN STATES DIVISION.

(Hd. Qr.:—Taunggyi).

Southern Shan States (Taunggyi), S. D.—Central, Western, N. Eastern, S. Eastern, Kengtung and Karenni.

Northern Shan States (Lashio), S. D.—Hsipaw, N. Hsenwi, S. Hsenwi, Mong Mit and Tawng-peng, Namtu and Wa States.

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Eastern States Agency—Patna, Kalahandi, Sonepur, Bamia, Seraikela, Gangpur, Bonai, Mayurbhanj, Koenjhar, Dhenkanal, Baud, Nayagarh, Talcher, Nilgiri, Bastar, Surguja, Raigarh, Nandgaon, Khairagarh, Jashpur, Kanker, Korea, Saron-garh

Gujarat States Agency—Rajpipla, Cambay, Dharampur, Bansda, Chhota-Udepur, Baria, Lunawada, Balasimor, Sant, Sachin, Jawhar and 70 Non-Salute States and Estates

Madras States Agency.—Travancore, Cochin, Pudukkottai, Banganapalle, Sandur

North-West Frontier Province Agency—Chitral and 4 Non-Salute States

Punjab States Agency.—Patiala,

Bahawalpur, Khairpur, Jind, Nabha, Kapurthala, Sirmur (Nahan), Mandi, Bilaspur (Kah-lur), Maler Kotla, Faridkot, Chamba, Suket, Loharu

Rajputana States Agency—Uda-pur (Mewar), Jaipur, Jodhpur (Marwar), Bundi, Bikaner, Kotah, Karauli, Kishengarh, Bhairatpur, Jaisalmer, Alwar, Tonk, Dholpur, Sirohi, Dungar-pur, Partabgarh, Banswara, Palanpur, Jhalawar, Shahpura, Danta and 2 others

Western India States Agency—Cutch, Idar, Junagadh, Nawa-nagar, Bhavnagar, Porbandar, Dhrangadhia, Radhanpur, Morvi, Gondal, Wankaner, Pahi-tana, Dhrol, Lumbdi, Rajkot, Wadhwan and 226 Non-Salute States and Estates

STATES IN RELATION WITH PROVINCIAL GOVTS.

States in Assam—Manipur and 15 others

States in Bengal Presidency—Cooch Behar, Tripura

States in the Punjab—Bashahr and 20 others

States in the United Provinces—Rampur, Benares, Tehri-Garhwal

NON-BRITISH TERRITORIES IN INDIA. FRENCH TERRITORIES.

IN BENGAL.

Chandernagore

IN MADRAS.

Karikal, in the Cauvery Delta

Mahe in Malabar

Pondicheiry, in S. Arcot, seat of Government

Yanaon, in the Godavari Delta

PORTUGUESE TERRITORIES.

IN BOMBAY.

Damaun, near Surat
Diu, Kathiawar

Goa, the seat of Govt adjoining N. Canara.

CIVIL DIVISIONS OF BURMA.

BURMA—Under a Governor.

(Population 14,667,146 of which Buddhists are 12,348,037, Hindus 570,958, Muslims 584,839, Tribal 650,388, Christians 331,106, Sikhs 10,907)

LOWER BURMA.

In Four Divisions under Commissioners and 21 Districts.

(1) ARAKAN DIVISION.

(Hd. Qr.—Akyab).

Akyab S D—Akyab, Kyauktaw and Buthidaung

Aiakan Hill Tracts, S D—Nil
Kyaukpyu, S D—Kyaukpyu
Sandoway, S D—Nil.

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The industry however is contriving means for its improvement. There operate about 96 jute presses in the Presidency.

Another big industry having immense possibilities in the province is the cotton mills. There are now only 22 mills in the province but about 20 mills are under construction or recently registered.

Coal mining is a big industry in the province. In 1936 about 67 million tons of coal was mined in the province. The chief centre of production is Raniganj in the Burdwan district.

Tea industry flourishes most in the Darjeeling and Jalpaiguri Districts in the province. Production is about 60 million lbs. in the province.

Iron and steel is smelted at Kulti and has great possibilities. There are 2 mills doing this business. Paper is made in 3 mills in the province and the only factory making paper pulp lies in this province.

Among other major industries of the province may be mentioned: hosiery mills (19), kerosene tinning and packing (12), general engineering (147), lead smelting and lead rolling mills (3), bakeries (7), flour mills (12), rice mills (337), sugar mills (5), chemicals (12), matches (16), oil mills (44), paints (9), soap (12), potteries (10), glass (12), etc.

Cottage Industries:—Hand-loom weaving is by far the most important and widespread cottage industry of the province of Bengal. From no district or centre is it absent, while in some centres such as Santipur in Nadia, Chowmohani in Noakhali, Sonamukhi, Vishnupur and others, practically the whole population is absorbed in hand-loom weaving and subsidiary occupations as their principal source of livelihood, but, almost always with some stake in the agricultural operations as a source of food supply. Hats (markets) such as those at Ramkrishnapur in Howrah, Chowmohani in Noakhali, Madhyakul in Jessore and Bahurhat and Madhabdihat in Dacca transact business in the sale of mill-made yarn of India and foreign origin, as well as in the purchase and sale of finished hand-woven products for local and distant consumption.

Next to hand-loom weaving, the most striking and widespread home industry is that of brass and bell-metal manufacture, i.e., the processes by which the brass and bell-metal bronze articles for dietary purpose such as lotas, thalis, etc., are made.

Silk worm is reared in W. Bengal and silk reeling is carried on but the industry is suffering from competition from China, Japan, Italy and France and generally from artificial silk. Cotton carpets are made at Nisbetganj in Rangpur, woollen blankets are woven at Jangipur, filigree gold and silver works of Dacca are famous, cutlery of Kanchannagar is noted. Conchshell bracelets are made at Dacca and umbrella making is carried on at Chittagong, mat making is practised in Midnapur and Rangpur. Among other industries mention may be made of boat building, book-binding, electro-plating, fishing hooks, gilding, masonry work, musical instruments, tape-making, button making, watch repairing, etc. The handicrafts include pottery, carpentry, leather manufacture, iron manufacture, shell ornaments, embroidery and lace-making, soft stone carving, horn-carving, lac-work, lace-making, toy-making, wood-engraving, ornamental glassware, clay modelling, metal-inlaying, ivory carving, gold and silver work, etc., etc.

Gur is prepared from palm juice in the 24-Parganas, Howrah, Faridpur and Midnapur, but there are thousands of palm trees in Bankura, Birbhum and Burdwan which are not utilized for this purpose.

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MARKET PLACES OF BENGAL.

THE Province of Bengal covers an area of 80,000 square miles and is inhabited by 50,122,550 people of whom Moslems are 27,530,320, Hindus 21,537,921, Buddhists 315,801 and Christians 180,572. The country is watered by the Ganges and the Brahmaputra bringing down during inundation rich alluvial deposits of silt which greatly contributes to the fertility of the soil. Of the total area in Bengal 23·4 million acres are normally under cultivation, of which only 1·7 million acres are irrigated. Area of land lying fallow is 5·4 million acres and that of culturable waste 6·6 million acres. The Sunderbans extending along the margin of the Bay of Bengal together with the other forests occupy an area of 4·6 million acres.

Produce:—Rice is the staple crop of the Province and is grown about 22 million acres, the other food grains under tillage being wheat (127,000 acres), and pulses which cover about 1 million acres. Next in importance is the jute crop which thrives best in the Ganges-Brahmaputra delta. The area under this crop is 2·2 million acres while the yield is about 78 lakhs of bales of 400 lbs each. Oil seeds are cultivated over 1·1 million acres of which by far the most important crop is rape and mustard seed (711,000 acres). Among the other oil seeds mention may be made of linseed (198,000 acres) and sesamum (184,000 acres). Other crops are sugarcane (355,000 acres), tea (199,000 acres), tobacco (307,000 acres), gram (207,000 acres), barley (91,000 acres), maize (75,000 acres), sugar yielding palms (58,500 acres), condiment and spices (1,54,100 acres), fruits and vegetables (792,100 acres), etc. Among the fruits grown in the Province the most important are mango, plantain, pineapple, jack fruit, guava, custard apple and several varieties of figs and melons. Arecanut and coconut plantations are largely found in S E Bengal. Mangoes of Maldah have a good reputation. Vegetables are cultivated everywhere.

The districts where the produces of Bengal are most prolific are mentioned below. Rice—Backerganj, Dacca, Faridpur, Midnapur, Mymensingh, Rangpur, Tipperah, Wheat—Malda, Murshidabad, Nadia, Rajshahi, Pabna, Barley—Murshidabad, Dacca, Malda, Faridpur, Mymensingh, Gram—Murshidabad, Nadia, Rajshahi, Linseed—Nadia, Murshidabad, Jessore, Sesamum—Mymensingh, Pabna, Dacca, Rape and Mustard—Mymensingh, Pabna, Rangpur, Rajshahi, Dacca, Bogra, Dinajpur, Jalpaiguri, Coconut—Khulna, Sugarcane—Faridpur, Dacca, Mymensingh, Rangpur, Dinajpur, Date palm—Hooghly, Jessore, Cotton—Chittagong Hill Tract, Jute—All districts, Tobacco—Rangpur, Jalpaiguri, Mymensingh, Fruits and Vegetables—Backerganj, Dacca, Mymensingh, Murshidabad, Fodder Crops—Mymensingh, Total area sown—About 28 million acres.

Major Industries—Writing of major industries prominence must be given to the jute mills of Bengal which have, so to speak, a monopoly business in jute products in India. There are in all 92 mills situated chiefly on either bank of the Hooghly. They consume about 46 lakhs bales of jute annually. The industry now continues depressed due to absence of demand of the jute products in the world's market.

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to be notified to the inspector; consequently the chances of detecting illegal employment or excessive hours are negligible.

New Company Registrations in Bengal:—In the Province of Bengal, the number of companies, limited by shares, at the close of the year 1936-37 was 5,080, compared with 4,916 at the end of the previous year; the authorised, subscribed and paid up capitals were respectively—Rs. 458 crores, Rs. 142 crores, Rs. 143 crores and Rs. 144 crores, Rs. 132 crores, and Rs. 133 crores.

The number of companies limited by guarantee was 130 at the close of 1936-37, compared with 126 at the end of 1935-36.

New registrations during the two years 1936-37 and 1935-36 numbered. companies limited by shares, 342 and 269; companies limited by guarantee, 4 and 4; societies registered under Act XXI of 1860, 67 and 43; total 413 and 316.

The following is a classified list of companies limited by shares registered during the years 1935-36 and 1936-37:

| | 1935-36 | 1936-37 |
|-------------------------------------|---------|---------|
| Banking, Loan and Insurance | 46 | 75* |
| Transit and Transport | 8 | 9 |
| Trading and Manufacturing | 140 | 170 |
| Mills and Presses | 14 | 29 |
| Tea and other Planting | 3 | 2 |
| Mining and Quarrying | 11 | 8 |
| Estate, Land and Building | 8 | 17 |
| Breweries | 2 | Nil |
| Sugar | 18 | 8 |
| Hotels, Theatres and Entertainments | 15 | 15 |
| Other Companies | 4 | 3 |
| | 269 | 342 |

Details of New Formations:—Of the new registrations, banking, loan and insurance showed an increase of 66 per cent. over the figures of 1935-36 whereas trading and manufacturing showed an increase of about 22 per cent. This also seems to be an effect of the new provision of Section 277-1 of the Indian Companies Act, by which a banking company incorporated after 15th January 1937, is not entitled to commence business till a sum of at least Rs. 50,000 has been raised as working capital.

One hundred and seventy-seven companies limited by shares and five companies limited by guarantee were finally wound up or became defunct during 1936-37, 110 companies limited by shares and one company limited by guarantee went into liquidation, but were not finally dissolved.

The total amount of mortgages and charges registered by companies increased from Rs. 84 crores at the close of 1935-36 to Rs. 89 crores at the end of 1936-37.

Budget:—The budget of Bengal for 1937-38 estimates a revenue of Rs. 12.55 crores and an expenditure on revenue account of Rs. 12.12 crores, a position which leaves a small surplus of Rs. 34 lakhs. This satisfactory state of affairs has been rendered possible by the increased grant from the Centre out of the proceeds of the Jute Export duty.

Railways:—There are about 3,500 miles of railways, about 3,500 miles of metalled roads and about 35,000 miles of unmetalled roads. There are about 2,000 miles of navigable rivers.

* Comprising banking and loan, 48, life assurance, 9; and provident insurance, 18.

Different modes of remittances; transport of goods, etc. explained in **TRADER'S MANUAL**. Industry Book Dept., Calcutta. Price Re. 1.

Y. B. 19.

From the figures collected from the Diamond-Haibour area, it appears that a tapper can tap about 10 to 15 trees, and he earns from Rs 120 to Rs. 300 during the season of approximately four months. A tree yields, on the average, about 3 maunds of gur. Palm gur has an excellent flavour, it contains about 91 per cent sugar of which 86 per cent. is cane sugar. From these results, it is quite apparent that the people of Bankura, Birbhum and Burdwan can earn lakhs of rupees if they only take to the preparation of palm gur.

Minerals—Coal is the chief mining industry. Raniganj fields yield about 30 per cent. of the coal of India. It is situated within about 75 miles of Calcutta.

Factories.—The number of factories on the register at the close of 1936 was 1,667 a decrease of 72 as compared with the previous year. An entirely new industry in Bengal, which is developing rapidly, is the manufacture of rubber-soled shoes. The first factory commenced work in 1932, and since then others have sprung up until there are now 10 factories employing a total of about 4,500 workers. Mass production methods have made it possible to produce these shoes very cheaply, and from 75,000 to 100,000 pairs are turned out per day. The process machinery is almost entirely Japanese and until some time ago the skilled departmental heads were practically all Japanese, but Indians are now taking over control. Bicycle and motor tyres are also produced, and the Dunlop Rubber Company have established a large factory north of Calcutta, which, it is hoped, will eventually employ 800 to 1,000 workers.

The average daily number of operatives employed was 513,235. The total figures show an increase of 18,036 on those of 1935.

Women, Adolescents and Children.—At the close of the year the number of women workers employed in factories was 59,271, as against 57,733 in 1935, an increase of 1,438. In factories other than rice mills, instances of illegal employment of women were comparatively few.

The returns for the year show a total of 9,360 adolescent workers. The average daily number of children employed in registered factories was 1,862 as against 2,328 in the previous year, a decrease of 466. The elimination of child labour from jute mills is now almost complete, only 278 having been employed in 1935 as against 26,500 ten years earlier.

Although the average hours worked by the majority of factory operatives in perennial factories do not exceed the legal limits of 10 per day and 54 per week, a considerable number of firms have taken full advantage of those provisions of the Act which enable them to post more than one set of working periods. Under the old Act the 11-hour day and 60-hour week allowed a sufficient margin between the hours actually worked and the limits laid down by the Act to deal with any abnormal work. Under the new Act, however, this margin has disappeared, and therefore provision has to be made for additional groups of workers to deal with extra work at short notice. On paper the additional groups or shifts are supposed to be manned by entirely different sets of workers. The report points out that, quite apart from the inconvenience, not to say impossibility, of engaging additional labour at such short notice, such a policy is obviously so uneconomical as to make it impracticable, and therefore, when extra hours beyond 10 per day or 54 per week have to be worked, the same labour is undoubtedly employed. As the new Act only requires the posting of sets of working hours in the form of groups or shifts, all that is necessary in such cases is to make the necessary transfers in the register of workers. Such transfers do not require

Different modes of remittances, transport of goods, etc. explained in
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Several factors combined to make Bombay more attractive than Calcutta as an entrepot for the upcountry markets which were formerly supplied via Calcutta. Apart from the shorter sea route from Europe with its faster and more regular shipping services, Bombay is able to offer full return cargoes of raw cotton to Japan. Commission and brokerage rates are lower than in Calcutta. It is only natural therefore that when merchants from the mofussil obtain their supplies from the numerous textile mills in the vicinity of Bombay, they should also purchase their requirements of foreign goods in the cheaper markets of Bombay.

Prices—The average price of imported cotton goods was in most cases higher than in the previous year. This was also true of sugar. On the other hand the average price of salt, printing paper and iron and steel declined. Under exports, there was a general rise in the price of all important articles except coal, gunny bags and shellac. In the case of tea the improvement remained remarkably firm. In the case of jute the rise in price would doubtless have been more pronounced if the Jute Mills' Association had been able to obtain the co-operation of the Mills outside the Association as to the restriction of working hours and of production.

Freight and Shipping—The world-wide improvement in trading conditions resulted in the raising of freight rates, which by the end of the year had exceeded the highest figures recorded for more than a decade, and much laid-up shipping has been re-commissioned. Freight to and from India benefited by substantial increases which were also in evidence in coasting traffic, particularly in the case of coal. Of the shipping engaged in foreign trade with Calcutta 75 per cent flew British Indian colours. Next in importance came German, United States and Japanese vessels. There were 101 vessels clearing with cargoes of jute and 30 with coal.

The total value of the maritime trade of Bengal increased from Rs 132.02 lakhs to Rs 141.15 lakhs or by 7 per cent.

Foreign trade in private merchandise rose from Rs 105.03 lakhs to Rs 111.14 lakhs or by 6 per cent of which imports accounted for Rs 35.76 lakhs and exports Rs 75.38 lakhs. Calcutta's share of imports was Rs 34.76 lakhs or 97 per cent and of exports Rs 69.94 lakhs or 93 per cent, and Chittagong's share Rs 1.00 lakhs or 3 per cent and Rs 5.44 lakhs or 7 per cent respectively.

The coasting trade of Bengal in private merchandise with other ports in India recovered from the set back of the previous year and imports improved from Rs 15.44 lakhs to Rs 16.83 lakhs whilst exports rose from Rs 10.22 lakhs to Rs 11.80 lakhs, Calcutta's share being Rs 14.97 lakhs or 89 per cent of imports and Rs 10.96 lakhs or 93 per cent of exports and Chittagong's share Rs 1.85 lakhs or 11 per cent and Rs 84 lakhs or 7 per cent respectively.

Calcutta.—Foreign Imports.—There was a fall of Rs 2.98 lakhs or 8 per cent. Machinery and millwork accounted for 16 per cent. of the total imports ousting cotton goods, representing 13 per cent. from the head of the table. As regards machinery and millwork although there was a small drop from the previous year's exceptionally high figures, the big demand indicates the continued prosperity of existing industries and also the opening of new factories. The fall of more than Rs 1½ crores or 26 per cent under cotton goods was due to an all-round shrinkage. Yarn of medium count, however, was much in excess owing to imports from the United Kingdom for making textiles. The manufacture of finer qualities of cloth in the

METHODS OF IMPORTS AND EXPORTS ARE DISCUSSED IN FULL IN TRADER'S MANUAL. INDUSTRY BOOK DEPT. Price Re. 1.

Transport:—Besides, railways, the chief transport agencies in Bengal are steamers and country boats. In big towns motor lorries are gradually ousting the indigenous cart for carrying goods.

Area Irrigated:—Total irrigated area in Bengal amounts to 1,699,000 acres of which area irrigated by canal 126,000 acres, irrigated by private enterprise 208,000 acres; area irrigated by tank 888,000 acres and area irrigated by wells 37,000 acres.

The Arial Bill Water Hyacinth Control Scheme has increased the average yield of crop in the protected area. These lands were producing next to nothing for several years past and were mostly the breeding ground for water-hyacinth and other noxious weeds. According to the latest figures 1600 acres of the reclaimed area have been brought under the ploughing in the current year, and it is estimated that a crop worth Rs. 50,000 has been harvested at a net cost of about Rs. 500 only to the cultivators.

Imports and Exports:—The principal imports are yarn, textile fabrics, metals, machinery, oil and chemicals, while the exports are jute, coal, tea, opium, hides, rice, linseed, indigo and lac. The following table summarises the sea-borne and coasting trade of Bengal during 1936-37 and two previous years. The figures embrace the subordinate ports of Chittagong, Narayanganj, Chandpur, Cox's Bazar, Barisal and Nilla.

| | Sea-borne, | | | Coasting, | | |
|---------------------|--------------------|---------------|----------------|--------------------|--------------|--------------|
| | 1934 —35 | 1935 —36 | 1936 —37 | 1934 —35 | 1935 —36 | 1936 —37 |
| | (in lakhs of Rs.). | | | (in lakhs of Rs.). | | |
| Imports. | | | | | | |
| Merchandise | 36.61 | 39.33 | 36.50 | 19.53 | 15.52 | 16.92 |
| Treasure | 13 | 20 | 1.41 | 61 | 40 | 78 |
| Exports. | | | | | | |
| Merchandise | | | | | | |
| Foreign | 34 | 36 | 48 | 91 | 95 | 1.09 |
| Indian | 62.61 | 66.22 | 74.96 | 9.72 | 9.62 | 11.20 |
| Treasure | 3.51 | 26 | 19 | 2 | 2 | 4 |
| Grand Total— | 99.57 | 1,0591 | 1,11.94 | 30.16 | 26.12 | 29.21 |

FOREIGN TRADE OF BENGAL, 1936-37.

The recovery of the trade of Bengal recorded in last year's report continued throughout the year under review and was most marked under exports, thereby showing a very favourable visible balance of trade. This was due in no small measure to the rise in the prices of primary produce such as jute, cotton, hides and skins, rice, linseed and tea and the consequent improvement in the condition of the cultivators, without which the prosperity of India cannot be assured. The absence of any serious political disturbances strengthened the growing confidence both at home and abroad and there is little doubt that the Province of Bengal enters the new era of self-government with its maritime trade in a healthy condition.

With the assistance of heavy protective duties imports were again adversely affected by the continued development of indigenous industries, e.g., imports of sugar which a few years ago were valued at well over a crore of rupees dropped from about Rs. 20 lakhs to Rs. 7 lakhs. Similarly the demands for salt, piece-goods, metals and matches were increasingly met from stocks manufactured in India. The cancellation of Sanctions against Italy, in force from 18th November, 1935, to 15th July, 1936, made itself felt during the second half of the year but exchange difficulties retarded a full recovery.

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Coasting Trade.—The recovery in imports was due to more rice and oil from Burma and to a less extent of cotton goods, leather and tobacco from Madras. Imports from Bombay and Sind were below last year's figures. Exports to other Provinces showed an all-round improvement, with the exception of non-British Indian ports, sugar and manufactured tobacco showing the largest advances.

Chittagong.—Chittagong handled only 3 per cent of the imports and 7 per cent of the exports of Bengal's foreign trade but in the case of coasting trade the figures were 11 per cent of imports and 7 per cent. of exports. An improvement of Rs. 11 lakhs brought the value of foreign imports to Rs. 1 crore. Heavier shipments of raw jute, tea and cotton raised the value of foreign exports by Rs. 26 lakhs to Rs 5,44 lakhs. Similarly coasting imports increased by Rs. 24 lakhs to Rs 1,85 lakhs and exports by Rs 8 lakhs to Rs 84 lakhs.

CALCUTTA.

CALCUTTA, the capital and chief port of the Bengal Presidency, although no more the seat of Imperial Government since 1911, is decidedly the premier city in India and is only second to London in the British Empire. According to the census of 1931, the population of Calcutta is estimated at 13,27,000. It stands on the left bank of the Ganges, a navigable river and only 86 miles away from the Bay of Bengal. A net work of canals and rivers is responsible for centralising the products, both manufactured and raw, from the rich plains washed by the Ganges and the Biahmaputra to Calcutta. The three main railway lines, viz., E. I Ry., B. N R and E. B. Ry., terminate here. Its position as a port maintains its importance as a great importing and exporting city.

Industries.—Leaving apart its great jute industries, standing on both banks of the Hooghly, which are the monopoly of Bengal in the world, Calcutta has earned for herself the fame as the industrial capital of India. Factories for the manufacture of the various goods are springing up in the city and in the suburbs. Soap business has gone ahead and soaps of the best type are being manufactured. Chemicals and acids for the industrial and medicinal uses are manufactured. Cotton mills also are getting firm hold in the neighbourhood of Calcutta.

Flour, rice and oil mills also flourish in the outskirts of Calcutta, and Chetla and Ultadanga are famous for the rice husking, etc. Silk goods are manufactured in Ultadanga. Iron and engineering workshops are scattered all over the city. Pencils, pens, nibs, coils, matches, potteries and brushes of the very best type are also being manufactured. Tanneries have also gained in strength in recent years. Toilet goods, perfumes, boot polishes, hosiery and other articles of every day necessity are being produced. Wire netting, biscuit and barley making, confectionery and condiment preserving, nail making, galvanising, etc., have for the first time in India being taken up on an industrial scale. There has been a great development recently in the manufacture of galvanised wares, steel trunks, bolts, nuts, celluloid goods, horn articles, tin boxes, serums and vaccines, bricks and tile making, enamelled and porcelain wares, glassware, crown cork, cookers, etc., etc. Manufacture of electric bulbs and rubber shoes is also a new development in the Province. Other important industries carried on within the municipal limits on a commercial basis are manufacture of type foundry and casting of metals, manufacture of fireworks, cardboard boxes and envelopes, brass and copperware, umbrella sticks and polo sticks, sugar-candy, hats, bookbinding, tailoring, embroidery, laundry work and dyeing and cleaning, leather goods, repair of motor-cars and carriages, watches and clocks etc., printing of cloths and cloth borders, manufac-

CLERK'S MANUAL—A COMPREHENSIVE MANUAL FOR THE GUIDANCE OF CLERKS. Industry Book Dept., Price Re. 1.

Indian mills has affected the handloom industry. Aided by Government grants for the encouragement of cottage industries, hand-loom weavers turned their attention to making mixed fabrics with the result that imports of art silk and staple fibre yarns increased threefold. Greater production in India, coupled with the rise in price of foreign cloth, resulted in imports of piece-goods declining by 22 per cent in quantity and 18 per cent in value. The rise in cost of raw cotton and the advance in wages in England, both in the spinning and weaving industries, prevented Lancashire from benefiting from the reduction of 5 per cent in the duty on cotton fabric from the United Kingdom recommended by the Special Tariff Board presided over by Sir Alexander Murray. Moreover in Calcutta traders were reluctant to commit themselves heavily pending the result of the Indo-Japanese trade negotiations.

The chief variations were tobacco + Rs. 19 lakhs, oils + Rs. 18 lakhs, and spices + Rs. 15 lakhs, cotton goods—Rs. 1,57 lakhs, metals and ores—Rs. 77 lakhs, railway carriages and wagons—Rs. 24 lakhs, instruments, apparatus and appliances—Rs. 20 lakhs, chemicals Rs. 15 lakhs, hardware—Rs. 14 lakhs, sugar—Rs. 13 lakhs, and machinery and millwork—Rs. 11 lakhs.

Foreign Exports:—There was an improvement of Rs. 8,72 lakhs or 14 per cent bringing the total to nearly Rs. 70 crores, the highest figure since 1930-31. Deducting the deficit under imports there is a credit balance of Rs. 5,74 lakhs over the figures of last year's foreign trade. Exports of raw jute and jute manufactures accounted for 60 per cent and although there was an improvement of 4½ per cent in value the quantity shipped to foreign countries was 2½ per cent less than in 1935-36 and was the lowest since 1929-30. The export quota of nearly 309 million lbs was 2 million lbs less than in the previous year but was not implemented in full. There was no important decreases but considerable increases were recorded in jute manufactures + Rs. 4,45 lakhs, raw jute + Rs. 94 lakhs, lac + Rs. 76 lakhs, seeds + Rs. 56 lakhs of which linseed to the United Kingdom accounted for Rs. 54 lakhs, tea + Rs. 47 lakhs, grain, pulse and flour + Rs. 39 lakhs, mainly due to larger shipments of rice to Africa, tobacco + Rs. 25 lakhs, hides and skins + Rs. 22 lakhs, postal articles + Rs. 21 lakhs, metals and ores + Rs. 19 lakhs, hemp + Rs. 13 lakhs, and mica + Rs. 11 lakhs.

Geographical Distribution:—The British Empire's share of the total trade remained about the same at 48 per cent; the share of imports was 57 per cent and of exports 43 per cent. Trade with the Empire in general and the United Kingdom in particular was greatly in Bengal's favour. The value of exports exceeded that of imports by Rs. 10,59 lakhs in the case of the Empire as a whole and by Rs. 3,61 lakhs in the case of the United Kingdom. Cotton goods from the latter again yielded to competition from Japan, but exports of raw jute and jute manufactures, linseed, shellac, pig iron and raw hides and skins were much in excess though there was a steep decline in shipments of tea. The decrease in imports from the Continent of Europe was more than compensated by an increase in exports. The same holds good in the case of Asia. Trade with America showed some improvement which was more marked under exports. Both imports from and exports to Africa declined slightly. As regards the share of individual countries, the United Kingdom with 35 per cent was followed by the United States with 16 per cent, Japan with 7 per cent and Germany with 6 per cent of the total trade.

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The total quantity of exports loaded in the year amounted to 6,013,607 as compared with 5,755,148 tons shipped during the previous year giving an increase of $4\frac{1}{2}$ per cent., in spite of a decrease of 231,896 tons in the shipments of coal. Apart from coal there was an increase in exports of nearly 15 per cent. The improvement was particularly marked in the case of gunnies, the shipments of which increased from 866,230 to 1,089,390 tons. Shipments of jute increased by over 42,000 tons, and there was an improvement in the case of practically every commodity, the only important exception being pig iron, the shipments of which decreased from 578,495 to 531,176 tons. Shipments of sugar amounted to 51,477 tons as compared with the practically negligible amount of 1,420 tons shipped during 1935-36. The export of molasses in bulk although it did not start until the last quarter of the financial year amounted to 22,772 tons.

The total tonnage of seaborne traffic which passed through the Port during 1936-37 amounted to 8,542,827 as compared with 8,230,795 tons during 1935-36, an increase of about 3.8 per cent. The figure for 1936-37 is the highest since the year 1930-31, but it is about two million tons less than the quantities handled in 1928-29 and 1929-30 and during the years immediately preceding the War.

During the year 1,214 vessels with an aggregate gross tonnage of 6,871,502 entered the Port of Calcutta compared with 1,201 vessels with an aggregate tonnage of 6,791,748 during the previous year.

The internal trade of Bengal consists mainly of transactions between the port of Calcutta and the rest of the Presidency. Calcutta is the biggest port in India. The figures of tonnage handled by the Calcutta Port Commissioners are as follows.—

Shipping.

| | 1932-33 | 1933-34 | 1934-35 | 1935-36 | 1936-37 |
|---------------------------------------|---------------------|---------|---------|---------|---------|
| | (figures in 1,000). | | | | |
| Nett tonnage of vessels entering port | 3,829 | 3,870 | 4,069 | 4,048 | 4,083 |
| Jetty Imports | 469 | 447 | 513 | 615 | 545 |
| Dock Exports | 362 | 463 | 745 | 440 | 510 |
| Dock Exports (General) | 1,123 | 1,412 | 1,438 | 1,578 | 1,792 |
| Dock Exports (Coal) | 2,559 | 2,191 | 2,677 | 2,445 | 2,213 |

Imports.

The following table shows the comparative importance of the principal articles imported into Calcutta

| | 1932-33 | 1933-34 | 1934-35 | 1935-36 | 1936-37 |
|----------------------|----------------------|---------|---------|---------|---------|
| | (in lakhs of rupees) | | | | |
| Machinery & millwork | 3.81 | 4.96 | 4.39 | 5.71 | 5.60 |
| Cotton goods | 7.12 | 4.86 | 6.14 | 6.15 | 4.58 |
| Metals and ores | 3.04 | 3.21 | 3.99 | 4.64 | 3.87 |
| Instruments, etc | 1.39 | 1.41 | 1.68 | 1.93 | 1.73 |
| Oils | 2.46 | 2.35 | 2.00 | 1.89 | 2.08 |
| Chemicals | 1.05 | 1.08 | 1.18 | 1.26 | 1.11 |
| Hardware | .96 | .91 | .93 | 1.09 | .95 |
| Paper & Pasteboard | .81 | .81 | .83 | .92 | .96 |
| Provisions | .70 | .69 | .75 | .79 | .80 |
| Motor cars | .55 | .70 | .76 | .77 | .81 |
| Liquor | .64 | .60 | .66 | .70 | .70 |
| Drugs and medicine | .62 | .68 | .61 | .68 | .68 |
| Spices | .66 | .64 | .66 | .57 | .71 |
| Woollen goods | .47 | .46 | .74 | .47 | .47 |

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ture of specially treated fabrics, tracing cloth and waterproof cloth, tobacco pressing and packing and bird manufacture, and manufacturing of ivory and conchshell articles, weaving of gold threads, manufacture of candles, ink, wigs and theatrical requisites, musical instruments, radio accessories, etc.

Trade:—The chief trade of Calcutta centres round jute, tea, grains and pulses, cotton goods, hides and skins, manganese ores, pig iron, coal, etc. Jute trade is the distinctive feature of Calcutta. Calcutta is the great jute centre of the world and the foreign countries interested in jute make their purchases here. Country boats and river steamers bring down the raw jute from the fields of Eastern Bengal and unload the products here. The local presses and mills, some 150 in number, standing on either side of the Ganges are also extensive purchasers. They press the jute and manufacture jute cloths and bags, which find ready sale in the world's markets. Prosperity of Bengal in fact depends upon the price at which jute sells in the market.

The tea trade is growing to greater and greater importance. Large quantities of tea are brought to the Calcutta markets from Darjeeling, Lakhimpur, Sylhet, Dooars, etc., for distribution and shipment. The chief market is United Kingdom which absorbs about 35 per cent. of the whole exports. Of the other countries, the important are N. America, Asiatic Turkey, Australia, etc. Chingong stands as a competitor of Calcutta so far as tea is concerned.

Calcutta consumes on an average over 500 maunds of sea fish, and the supply is inadequate. According to one of the big dealers even twice the quantity would not be sufficient to meet the demand. Within the past 10 years the demand has increased by about 40 per cent. while the supply has increased only by 25 per cent. The supply comes mainly via the B. N., the E. I. and the E. B. Railways to Howrah, Sealdah and Padiukur stations while small suppliers come from such places as Basirhat, Diamond Harbour, Barnipur, the salt lake areas by boats, motor boats and coolies. To Howrah station come daily about 150 maunds of fish, including 100 maunds of sea fish from Port, Chittag, etc., and Sealdah receives more than 100 maunds daily.

Calcutta is the pivot of the rice trade in Bengal. It is not only the exporting centre of Bengal (which even now annually exports 1,00,000 tons of rice) but also the chief consuming and distributing centre. Of 300 odd rice mills in Bengal, Calcutta alone has over 150 mills. More than 10,000,000 mds. of paddy are required annually to keep these mills going but largely owing to the high rates charged by railways in spite of a decline of prices of paddy by about 50 p.c. during the last few years the mills are in a bad way and their condition is daily worsening in the face of Rangoon competition.

Imports and Exports:—The total quantity of imports discharged in the Port including petroleum landed at Bridge Bridge and transit deliveries was 2,529,220 tons as compared with 2,475,847 tons during 1935-36. The imports of rice increased from 277,170 to 438,150 tons but other imports decreased by about 3 per cent. Petroleum increased from 310,101 tons to 369,877 tons and there were small increases of betel nuts, medicines and chemicals, brimstone and sulphur, but there were decreases in the case of all the other principal commodities. Imports of piecegoods decreased by 18 per cent., steel by 15 per cent., salt by 6 per cent., machinery by 3 per cent. and timber by 21 per cent.

Imports handled by the Commissioners on the Calcutta Series amounted to 545,402 tons and in the docks to 509,565 tons as compared with 615,491 tons and 440,178 tons, respectively in 1935-36.

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| | 1932-33 | 1933-34 | 1934-35 | 1935-36 | 1936-37 |
|---------------------|---------|----------------------|---------|---------|---------|
| | | (in lakhs of rupees) | | | |
| Saltpetre | 9 | 10 | 10 | 9 | 9 |
| Instruments, etc. | 4 | 4 | 8 | 7 | 3 |
| Oils | 6 | 6 | 6 | 7 | 2 |
| Kapok | 5 | 4 | 3 | 5 | 6 |
| Paraffin wax | 35 | 10 | 20 | 5 | 3 |
| Drugs and medicines | 15 | 3 | 4 | 6 | 6 |
| Boots and Shoes | 1 | 1 | 4 | 5 | 11 |

The other items include tobacco (Rs. 1 lakh), cordage and rope (Rs. 4 lakhs), paints (Rs. 1 lakh), etc. Total Rs. 69.47 lakhs. Re-exports Rs. 47 lakhs.

BACKERGANJ DISTRICT.

The district covers an area of 3,649 sq. miles and has a population of 2,335,116 of which 1,504,020 are males and 1,431,096 are females.

The district is situated on the border of the Bay of Bengal and a part of it may be included in the Sunderbans which is a very fertile tract of land and produces immense quantities of rice and other crops including jute, coconut, pulses (mainly masuri), betelnuts, etc. The district is famous for balam rice and betelnuts which grow in abundance here. Calcutta alone consumes about 15 lakhs of tons of this rice. Balam rice is also exported to other parts of the province. Laseed, hides and skins, sundri wood, coconuts, sugar, earthen jars, bamboos, bones, fish, ghee, cart-wheels, etc., are imported to this town by carts and steamers and also by boats from various parts of the district and are exported to various places of the province. Among other fishes oysters are found in this district, which are also exported.

The chief cottage industries are cutlery and fine cloths of UZIRPUR. Ramdaos, razors, nut-crackers, scissors and saws for cutting conch shells, which are made here and at BARAPAIKA, are widely sold. Brass nibs and white metal nibs are also made at PATUAKHALI. Bitalpati mats of fine quality are also made here. A rough kind of mat is made from "hogla," which is a char reed, and used by the poor as bedding. Hogla matting is a special product of the Backerganj district and is made throughout the district. JHALAKATI does a special trade in it and it is exported to Calcutta and other places. It is also used in the making of bags for exporting dried fish. Fine specimens of earthen ware, with shining black and red polish, are made at UZIRPUR. BARISAL produces large quantities of saries. Buttons, combs and bangles are also made from buffalo horns and are widely sold throughout Bengal. The chief centres of the horn work industry are BARISAL, BHOLA, AMTALI, PATUAKHALI and GALACHIPA.

The chief centres of weaving are GABKHAN, KIRTIPASHA, UZIRPUR, JHALAKATI, NYIAMATI, SIDDAKATI, NALCHITI, BANORIPARA, BAISARI and MADHABPASHA. Cotton weaving is also carried on at BHOLA, MULIAND, DHANDOBHA, PATHAR and CHANDSI in Gournadi police station. The Kapals of Backerganj weave gunny bags from jute and the most important centre is GOURNADI at which there are about 25 villages. Coconut oil is manufactured at BHOLA, AMANI and NALCHITI and there are oil mills at JHALAKATI, NALCHITI and BHOLA.

BARISAL (population 35,716) the chief station of the district, is a great rice mart while FIROJPUR (population 10,959) is the second town of the district. Masuri pulse of this place is famous.

The chief trade marts are JHALAKATI (population 6,496), NALCHITI (population 1,946), BHOLA (population 5,558), PATUAKHALI

Disinfectants and Antiseptics give full details of preparing all sorts of insecticides and medicated cottons. Industry Book Dept., Price Re. 1/8.

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| | 1932-33 | 1933-34 | 1934-35 | 1935-36 | 1936-37 |
|---------------------|---------|-----------------------|---------|---------|---------|
| | | (in lakhs of rupees). | | | |
| Rubber | 40 | 42 | 47 | 42 | 43 |
| Tobacco | 44 | 30 | 23 | 23 | 41 |
| Glass and glassware | 38 | 36 | 37 | 45 | 40 |
| Salt | 55 | 37 | 35 | 38 | 33 |
| Paints | 31 | 29 | 32 | 37 | 35 |
| Tea chests | 28 | 33 | 32 | 36 | 34 |
| Cycles | 27 | 29 | 34 | 36 | 35 |
| Wool raw | 18 | 17 | 20 | 25 | 33 |
| Dyeing and Tannin | | | | | |
| Substances | 25 | 23 | 25 | 34 | 29 |
| Artificial Silk | 40 | 26 | 34 | 26 | 30 |
| Stationery | 23 | 21 | 20 | 25 | 25 |
| Cotton raw | 9 | 17 | 16 | 21 | 22 |
| Toilet requisites | 18 | 17 | 20 | 20 | 20 |
| Silk Goods | 25 | 15 | 19 | 22 | 15 |
| Leather | 12 | 13 | 14 | 15 | 17 |
| Belting | 16 | 15 | 15 | 19 | 18 |
| Wood pulp | 20 | 24 | 24 | 18 | 12 |
| Wood and Timber | 15 | 14 | 16 | 18 | 15 |
| Manures | 11 | 17 | 17 | 18 | 21 |
| Boots and shoes | 27 | 28 | 18 | 14 | 9 |
| Grand Total etc | 34,71 | 32,13 | 35,32 | 37,74 | 34,76 |

Among the other imports mention may be made of starch and farina (13), lac (16), toys (17), umbrella and umbrella fittings (10), building and engineering materials (19), apparel (12), the figures within brackets refer to the value of imports in lakhs of rupees during 1936-37.

Exports.

The following are the chief exports —

| | 1932-33 | 1933-34 | 1934-35 | 1935-36 | 1936-37 |
|------------------------|---------|----------------------|---------|---------|---------|
| | | (in lakhs of rupees) | | | |
| Jute Manufactures | 21,65 | 21,33 | 21,42 | 23,46 | 27,91 |
| Jute, raw | 9,35 | 10,16 | 10,24 | 13,17 | 14,11 |
| Tea | 9,42 | 11,60 | 11,26 | 10,95 | 11,42 |
| Hides and skins, raw | 1,87 | 2,80 | 2,00 | 2,46 | 2,68 |
| Lac | 1,24 | 2,45 | 3,27 | 1,58 | 2,34 |
| Metals and ores | 1,59 | 1,69 | 1,54 | 1,90 | 2,09 |
| Seeds | 60 | 2,11 | 1,30 | 1,23 | 1,79 |
| Grain, pulse and flour | 1,62 | 1,18 | 1,20 | 1,13 | 1,51 |
| Mica | 26 | 36 | 61 | 72 | 83 |
| Woollen manufactures | 46 | 54 | 70 | 55 | 62 |
| Cotton, raw | 22 | 41 | 30 | 60 | 55 |
| Hemp, raw | 23 | 24 | 26 | 41 | 54 |
| Bones | 16 | 16 | 24 | 22 | 28 |
| Oilcakes | 44 | 24 | 25 | 32 | 27 |
| Dyeing and tannin | | | | | |
| Substances | 30 | 25 | 23 | 24 | 24 |
| Coal and Coke | 44 | 37 | 30 | 17 | 20 |
| Leather | 12 | 20 | 14 | 12 | 18 |
| Provisions | 15 | 13 | 13 | 14 | 15 |
| Manures | 7 | 11 | 15 | 17 | 13 |
| Apparel | 7 | 9 | 9 | 11 | 11 |
| Cotton goods | 1 | 2 | 8 | 9 | 7 |
| Spices | 16 | 13 | 13 | 12 | 6 |

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hat where vegetable and other products are sold. Gur from date-palms is also another article of trade during winter, and this is also largely exported. Imports by rail include kerosene oil, salt, sugar, grains, seeds, pulses, jaggery, molasses, tobacco, ghee, khari salt, atta, maida, hardware and cloths.

TANTIPARA (Sadar, sub-division) and also BOLEPUR are important centres of trade. Other trade centres in the district are SAINTHIA—paddy and oil-seeds are largely grown and an oil mill works near the station, at DUBRAJPUR imports consist of tobacco, molasses, jaggery, grains, seeds, oil cake, salt, and kerosene oil and there are also several oil and rice mills, at RAMPURHAT (population 9,969) a large trade in rice and paddy, besides molasses, kerosene oil and other articles exists. SURI (population 10,908) is the head quarter station of the district, the local trade consisting of rice, grains, and pulses, atta, kerosene oil, and the jungle products. The morabba of SURI is famous.

Other minor trade centres of the district are BELLIADANGA, LABPUR, AHMADPUR, NALHATI, KIRNAHAR, etc., where rice is the chief article of export and piecgoods, salt, oils, potatoes and gur. The chief imports. The KENDULI mela, where Joyedeva was born, is held during January every year, many people from all districts gathering there to honour the memory of the great poet.

Important fairs are—Akaliapur, Nalhati, Troiyodoshi Mela, 13th day of moon of Aswin, 7 days, Kenduli, Beerbhumi, January (Religious). In MURAROI, Muraroi Bazar, Syam Sundar Mela, Magh; Jajigram, Kalpuja Mela, Kartik, Chatra, Gonesh Janani Mela, Falgun, Mitapur, Sham Chand Mela, Magh. In MOURESWAR, Mollarpur, Shiva-Choturdoshi Mela, Falgun, Muralidangal, Gosthastami Mela, 1st Magh, Birchandrapur, Gosthastami Mela, Kartik, Aradhana Mela, Magh Purnima, Rathajatia Mela, Ashar, Mohurapur, Choitra Sankranti Mela, Chatra, Kaleswar, Shiva Chaturdoshi Mela, Falgun, Ghatkuri, Dharmojoy Mela, Boisaki Purnima, Dheka, Brahmaoity Mela, 1st Magh, Ulkunda, Fakirkhana Mela, 2nd Magh. In RAMPURHAT Bhunkeshwari, Bhunkeshwari Mela, 1st Magh, Udoypur, Kalpuja Mela, Kartik, Ayash, End of Magh, Kuluba, Baisak; Jobar, Jugiddah Mela, Chatra, Gopalpur, End of Magh, Chandra, Choitra, Margram, 11th Poush, Tarapur, Chaturdashy Mela, Aswin and Kartik, Sandhyajole, Falgun, Mahapara, Agrahayan, Gorla, 5th Baisak; Sowasa, Falgun.

BOGRA DISTRICT.

The district covers an area of 1,498 sq miles and has a population of 1,086,332 of which 577,158 are males and 529,174 females.

BOGRA (population 14,819) the head quarter town, is situated at a distance of about 220 miles from Calcutta by rail (E B Ry.).

Cotton and silk weaving form the only cottage industry of the district. It is carried on in several villages within the Sadar, Gabtali, Shubganj and Adamdighi police station. The important centres are SONALI, DASHTIKA, BANNIGRAM, LAKHMIKOLE, MOHONPUR and SANTIGAON. There are several factories which manufacture tassar and galad cloths of very good quality.

Raw silk is imported from Rajshahi and Murshidabad. The manufactured goods are sold locally. Among other industries may be mentioned guni, mats, clay pots, cabinetware, hand fan, etc., etc.

Grams, peas, pulses, onions, garlic, tobacco, sugar, molasses, etc., are imported from Patna, Gaya, Cawnpore, Allahabad, Chapra and other marts and are readily sold here. Jute is sent chiefly to Serajganj, rice to Assam and also to Tihoot. Hides and bones are available and are sent down to Calcutta by rail.

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(population 6,484), DAULATKHAN and SAHEBGUNJ Transport of goods is carried on in boats as well as by steamers and railways

Big fairs attended by thousands of people are held at KALISURI, KALASKATI and LAKSEMANA near Backeganj, where cattle, goats, buffaloes and various agricultural products are exhibited and sold Another is held at SUGANDHA in Bansal during Shivaiaatri and Pujah

BANKURA DISTRICT.

The district has an area of 2,625 sq miles and is peopled by 1,111,711 of which 556,809 are males and 554,902 females.

Area under crops in 1936-37 — Winter rice 4,20,100 acres, wheat 5,600 acres, bailey 2,300 acres, maize 3,100 acres, gram 1,500 acres, rape 3,100 acres, gram 1,500 acres, pulses 5,400 acres, rape 5,500 acres, sugarcane 3,000 acres, fruits and vegetables 7,000 acres

Industrial products of Bankura are many and include silk cloths, for which it is famous, bell metal wares are also made here, shellac, embroidered silk saris, silk and tassar cloths, gold and silver ornaments, shell and lac bangles, iron implements and cutlery are also manufactured There are several oil mills and rice mills which consume the products of this district as also the imports from the United Provinces and Bihar and Orissa.

Bass and bell metal wares are made at BANKURA, BISHNUPUR and PATRASAYER (chief seat) The district is famous for large water vessels and for cutlery which are made at SHAHASPUR in Bishnupur sub-division The largest centre of the weaving of khamru or mulberry silk is BISHNUPUR, there being a good demand for vel silk from East Bengal Silk weaving is also practised at BIRSINGHPUR, BANKURA, etc Mixed cloth of tassar is woven at Bankura Coarse cotton cloth and cheap woollen blankets are also woven there Bankura is also famous for its chaddais SONAMUKHI is famous for silk and silk cloths, tassar and matka chaddais Shell ornaments are made specially at BISHNUPUR

Important centres of trade are BANKURA (population 31,708), BISHNUPUR (population 19,696), and SONAMUKHI (population 10,989)

BIRBHOOM DISTRICT.

The district covers an area of 1,756 sq. miles and has a population of 947,532 of which 472,682 are males and 474,850 females

The climate of the place is not good. Malaria is common during the rainy and autumn seasons The Viswa-Bharati University established by the great poet Dr Rabindranath Tagore is situated at SANTINIKETAN near BOLPUR There is also an agricultural fair at SURUL

The cottage industries are brass and bell metal work (at DUBRAJPUR and NALHATI), cutlery, silk and mulberry-weaving Silk flatures exist and weaving is practised at BOSWA, BISHNUPUR, MARGRAM, PANCHGACHIA, BALIA, PALSA and at other places in the RAMPURHAT sub-division Tassar weaving of KALIPUR-KARIDHA is important Coarse cotton cloth is woven at ALUNDA and the Sadar sub-division is well-known for its table cloths, bed sheets and screen cloths Shell ornaments are made at KARIDHA Lac work and lacquered toys of ILLAMBAZAR are well known, boots and shoes are made in Tantipala and Surul

There are four or five rice mills in BOLEPUR which consume the products of the surrounding country Rahri rice is exported in large quantities, which are brought to the town by carts There is a bi-weekly

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largely imported. Rice and paddy, however, are the chief articles of trade.

RANEEGANJ (population 16,877) situated on the river Damodar, is 121 miles from Calcutta and is connected by the East Indian Railway. It is only a sub-division of the district of Buidwan, but its name has spread all through India owing to its vast coal field. Among the raw produces that are dealt in at this place, coal, paddy and sal props are worth mentioning. Coal trade of the place plays a very important part in the total coal trade of India. The raisings of coal in the coal fields of Raneeganj are estimated at 7.3 million tons which is about $\frac{1}{3}$ of the total output of India. The major portion of the production of coal is exported to Calcutta by the railways. The coal of Raneeganj along with other raw produces such as paddy and sal prop is exported to Calcutta and distributed to the commercial centres of the neighbouring districts. It is a big market place for agricultural products such as rice, paddy and seeds.

Among the manufactured articles of Raneeganj mention may be made of coal tubs, tiles, fire-bricks and paper. Coal tubs are mainly manufactured by the Raneeganj Motor and Engineering Works and paper is manufactured by the Bengal Paper Mills Ltd. Apart from these, many home industries have been started by the local people, such as pottery, soap and candy sugar. Raneeganj being the centre of coal trade in Bengal has a very good demand for coal tubs, and monthly production stands at 200 to 250. There are several oil mills and rice mills, consuming local products. In its vicinity are the famous pottery works of Burn & Co., the products being in demand in and outside Bengal. The brass and bell-metal ware are also famous. Oil and oil-cakes are also imported here in large quantities.

ASANSOL (population 31,286) is an important railway junction and one of the chief centres of coal industry. It is a growing centre of trade. There are about a dozen boot and shoe-making factories at Asansol preparing high class boots and shoes of all shapes and sizes by hand without the help of machinery. Their product finds a ready market on the spot.

KALNA (population 9,567)—There are many rice mills in this town. The articles of trade consist of gram, wheat, jute, peas, kalai, masuri, khesari, mung, linseed, barley and mustard seed. Business is brisk from Falgun to Baisakh, when goods are brought from the interior by carts and pack bullocks.

KATWA (population 7,772)—There are two or three rice mills here. Grains and seeds are obtainable. Goods are sent and brought either by rail or by boats. The articles of trade are rice, paddy, grains and seeds, gur, tobacco, jaggery, salt, brass and bell-metal ware, etc.

The hats of **BALAGARH** and **SOMRA** are important wares.

Important fairs are held at—Kahchhar, P. S. Mongolkote, Cattle, every Sunday; Nutanhat, P. S. Mongolkote, Cattle, every Monday; Pachandi, P. S. Ketugram, Cattle, every Thursday; Dadhia, P. S. Ketugram, Industrial and miscellaneous, 3 days from the day of Makar Saptami; Udhampur, P. S. Ketugram, 3 days from the day of Poush Sankranti.

The district is very malarious and other fevers are also common.

CHITTAGONG DISTRICT.

The district covers an area of 2,570 sq. miles and has a population of 1,797,038 of which 872,888 are males and 924,150 are females.

The district is situated on the eastern bank of the Bay of Bengal and is full of hills covered with jungles. The chief produce of the

THE RETAIL TRADE—an exposition of Methods that build up Retail Trade. Industry Book Dept., Shambazar, Calcutta. Price Re. 1/-.

The chief articles of trade are mustard seed, rice, sona mung, arhar, mosuri, etc. The grains are not of good quality.

A promising handloom industry for manufacturing jute bags, mats, cushions and durries is being run at Adamdighi and at Sukhanpukur in this district. The produce is sold in the local markets and also in markets outside the district.

Jute, paddy, sugarcane, patal and potato are the chief agricultural products and exported in large quantities to other places.

The biggest 'mela' in the district is held at GOPINATHPUR in police station Adamdighi near Akkeipuri Railway station. It is held annually on the occasion of the Dol Purnima festival and lasts for about a month. Cattle is largely sold in this fair besides other articles.

The 'PUNOT' mela in police station Khetlal is held for 15 days in Magh or Falgun and cattle is also sold here.

Other fairs are—Mahasthan, P. S. Shibganj, Last week of March, 8 days, Cow, Goat, Horse, Camel etc., Hili, P. S. Panchbibi, Middle of January, 1 month, Ganganagar, P. S. Shibganj, 1st week of April, 8 days, Pakulla, P. S. Shariakandi, Middle of December, 1 month, Balua, P. S. Shariakandi, 2nd week of January, 1 month; Boga, P. S. Shariakandi, Middle of February, 1 month.

The following are the principal cattle markets of the district.

1. Noongola, 2. Baroduari, 3. Mokamtola, 4. Kahaloo, 5. Gossainbari, 6. Tarnihat, 7. Chandanbaisa, 8. Fulbari, 9. Hatsherpur, 10. Dhapa, 11. Rukindipur, 12. Panchbibi, 13. Santahar, 14. Kalitalahat, 15. Naruamala.

Goods from the interior are brought by carts, and during the rains, by boats. External trade is carried on generally by rail.

BURDWAN DISTRICT.

The district (2,697 sq miles) has a population of 1,575,696.

Bengal Iron Co. have their factory at KULTI (population 11,574) while the Indian Iron and Steel Co., is situated at HIRAPUR now called BURNPUR (population 5,740), about 3 miles off Asansol. SANDI has a big iron works.

The cottage industries of the district are brass and bell-metal works of BONPAS, DAINHAT, PURBASTHALI, KALNA and MATIARI where large vessels and cooking utensils are made. KANCHANNAGAR is famous for its cutlery, the pottery industries thrive in the villages on the banks of the Bhagirathi, the clay of which is highly suitable, the belluti clay found near KALNA is used for glazing. BONPAS is famous for gold, silver and gilt ornaments, gun-metal and brass plates. There is a factory at BANSA for preparing tannin from myrobalan.

Cotton is woven in the RANEEGANJ side of the district and also in the KALNA sub-division. Silk weaving and mulberry rearing are carried on at MEMARI and RADHAKANTAPUR where about Rs 50,000 worth of saris are woven. Tassar weaving is also done and is one of the chief industries of this district, specially round MANKAR.

BURDWAN (population 39,613), the district head quarters, stands on the main line of E. I. Ry. and is a little north of the Damodar. It is a great trading centre in the district. There are several rice and oil mills in the town, consuming the products of this district as also some of the imports from U. P. and the surrounding districts and Bihar.

There are many arathdars who are big merchants and dispose of imports from outside the district and province.

Rice, paddy, kalai, molasses, tobacco, pecegoods, grains and oil seeds are available here. Kerosene oil, salt and iron manufactures are

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The following statement compiled from the Customs Office statistics shows the value of the sea-borne trade of the Port of Chittagong (both foreign and coasting) for the current and previous years —

| | 1935-36 | 1936-37 |
|-----------------|-----------------------|---------|
| Foreign | (in lakhs of rupees). | |
| Imports | 89 17 | 99 83 |
| Exports | 517 43 | 543 78 |
| Total | 606 60 | 643 61 |
| Coasting | | |
| Imports | 161 50 | 185 27 |
| Exports | 76 52 | 84 12 |
| Total | 238 02 | 269 39 |
| Aggregate Trade | 844 62 | 913 00 |

The following extracts are taken from the Collector of Customs' Report —

The total value of the trade of the port of Chittagong has advanced from Rs 844,94,086 in the year 1935-36 to Rs 913,36,229 in the year under report showing an increase of Rs 68,42,143 or 81 per cent. although it falls short of the level of 1934-35 by Rs 143,29,346. It should be stated, however, that even this excess of the figures of 1934-35 over those of the year under report is entirely attributable to the abnormal importations of rice from Burma in the former year. The value of rice imports in 1934-35 was Rs. 227,93,684 as compared to Rs 72,19,769 during the year under report, a difference of Rs 155,73,915

The imports under the head "Iron and steel materials" advanced from 12,888 tons valued at Rs 24,95,924 in the year 1935-36 to 13,750 tons valued at Rs 26,95,205 in the year under report. The increase was mainly due to the larger importation of "Galvanized iron sheets" which rose from 8,389 tons valued at Rs 14,94,381 in 1935-36 to 10,259 tons valued at Rs 18,43,772 in the year under report.

The importations of "machinery" advanced from Rs. 22,76,542 in the previous year to Rs 24,74,481 in the year under review. Larger importations of "Railway locomotive engines" and "Oil Crushing and refining machinery" were mainly responsible for this increase.

379,529 yds of piece-goods valued at Rs 1,09,726 were imported from foreign countries during the year under report against 363,067 yds valued at Rs 1,10,645 of the previous year. 253,372 lbs of Fents valued at Rs 1,74,994 were imported during the year under report against 148,539 lbs valued at Rs 1,02,022 in the previous year.

Owing to the decline in the exportations of tea there was a smaller demand for tea chests, the importations of which dropped from Rs 10,50,823 in the previous year to Rs 10,11,530 in the year under report.

The importation of salt advanced from 34,788 tons in the previous year to 35,513 tons in the year under report. Closer control by the Excise Department over illicit manufactures of salt as well as the vigilance of this department against the importations of contraband salt accounted for the increase in the foreign imports which consisted of Aden salt only.

Owing to the larger importations of "Betelnuts" from the Straits Settlements the trade under the head "Spices" rose from 16,423 cwt valued at Rs. 1,30,950 in the previous year to 25,876 cwt. valued at Rs 2,27,503 in the year under report.

Owing mainly to the larger demands from the United Kingdom and Egypt, the exports of Jute advanced from 25,818 tons valued at

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district includes rice, tobacco, chilli, betel leaf, sugarcane, sunn hemp, etc., etc.

Area under crops during 1936-37 Rice 610,000 acres, rape and mustard 2,000 acres; condiments and spices 7,000 acres, sugarcane 6,000 acres; jute 300 acres, sunn hemp 1,700 acres, tea 7,500 acres, tobacco 6,500 acres; fruits and vegetables 3,400 acres, total 674,500 acres.

The district of Chittagong contains three ports, viz, CHITTAGONG (population 53,166), COX'S BAZAR (population 5,018) and NILLA. COX'S BAZAR is only a port for carrying on coasting trade with customs ports and for no other purpose while NILLA is merely a port for the shipment of rice, on account of which duty is paid at Chittagong. The sea borne trade of the district is thus confined to Chittagong.

The value of the total coasting trade of Cox's Bazar and Nilla was estimated during 1932-33 at Rs. 2 lakhs and Rs. 51,000 as against Rs. 14 lakhs and Rs. 26,000, respectively, during 1931-32.

The Port of Chittagong, with a population of 36,000 is situated on the Karnafull river. The port has now been declared as a major port and is an exporting centre for tea and jute.

Foreign Trade of Chittagong.

The following figures give an approximate idea of the considerable foreign trade carried on at the port of Chittagong which is the only subordinate port in Bengal open to foreign trade —

The following statement shows the tonnage of goods that passed through the Port during 1935-36, compared with that of the preceding year —

| | Total trade | | | Total trade | |
|--------------------------|-----------------|-----------------|---------------|-----------------|-----------------|
| | 1935-36 | 1936-37 | | 1935-36 | 1936-37 |
| Imports. | Tons. | Tons. | Exports. | Tons | Tons |
| Foreign— | | | Foreign — | | |
| Iron and steel | 11,209 | 14,835 | Tea | 33,585 | 33,183 |
| Ten chests | 3,359 | 3,485 | Jute | 21,755 | 31,862 |
| Salt | 35,011 | 35,617 | Wax | 2,660 | 1,867 |
| Machinery | 3,996 | 4,950 | Raw cotton | 2,415 | 2,761 |
| Sugar | — | — | Coal | — | — |
| Coal | — | — | General cargo | 1,147 | 1,264 |
| General cargo | 25,116 | 30,872 | | | |
| Total | 81,721 | 89,759 | Total | 64,593 | 73,927 |
| Coasting — | | | Coasting — | | |
| Paddy and rice | 65,577 | 85,550 | Betel nuts | 547 | 309 |
| Oil | 20,671 | 22,671 | Tobacco | 2,336 | 2,921 |
| Cotton piece goods | 110 | 114 | Coal | 19,510 | 20,567 |
| Timber | 2,897 | 4,246 | Jute | 5,481 | 10,723 |
| Coal | 29,158 | 29,941 | General cargo | 12,885 | 15,404 |
| General cargo | 8,766 | 7,113 | | | |
| Total | 1,27,182 | 1,49,637 | Total | 40,759 | 49,923 |
| Inland — | | | Inland — | | |
| General cargo | 26,036 | 21,478 | General cargo | 9,765 | 9,740 |
| Total | 2,35,242 | 2,60,874 | Total | 1,15,117 | 1,33,591 |
| Grand Total Trade | 1935-36 | 1936-37 | Tons | 3,50,359 | |
| | | | Tons | 3,94,465 | |

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RAMU, MAHISHKHALI, CHAKARIA and RANGAMATI Silk lungis are made on a large scale. Among the minor industries may be mentioned jute pressing, brazier's work, iron smithy, carpentry, jute and hemp cords making, fishing net making etc. A cotton mill is under construction here. Salt is manufactured. Cottage industries include bamboo ware, mats, sola garlands, copperware, hand paper making, satfood, clay cooking vessels, etc.

Tanning materials available in the forests leave room for starting tanneries. Raw materials for paper pulp, such as Ekra grass, bamboos and nahs, etc., are also available in large quantities here and the possibilities of establishing a paper mill here are very favourable. Bamboo handles for umbrellas are available here.

List of Hats: Bakshi Bazar, in Chittagong Town, Abutalaf Bazar, in Maghadia P. S. Misraia, Rice, vegetable. Mitachara Hat, in Mauza Mithachara, P. S. Miesswarai, Rice, Goat, etc. Daroga Hat in Mauza Wahedpur P. S. Miesswarai, Rice. Kumira Bazar in Mauza Kumira, P. S. Sitakunda, Rice, cows, etc. Firingi Bazar, in Chittagong Town, Goats, fowls, rice, etc. Hathazari Hat, in Dewannagar, P. S. Hathazari, Rice, vegetable. Narayan Hat, in Mauza Dantmaia, Rice, etc. Bibur Hat, in Fatikcherr, Cattle, mats, etc. Nazir Hat, in Fatikcherr, Timber, molasses. Kazir Hat, in Fatikcherr, Mats, cotton etc. Fakir Hat, in Raozan, vegetables. Kagatia Hat, in Raozan, vegetables. Kalachand Hat, in Raozan, Vegetables. Lambur Hat, in Raozan, Vegetables and cotton etc. Ranu Hat in Rangunia, Vegetables and cotton etc. Rajar Hat, in Rangunia, Vegetables cotton, mustard. In P. S. PATIYA, Rustum Hat, Eggs, vegetables, etc. cows, bullocks, etc. Olin Hat, Tobacco, fowl, goat, etc. Thana Hat, Tobacco, fowl, vegetable etc. Dewan Hat, Tobacco, vegetable, etc. Kamal Munshi's Hat, Tobacco, vegetable, etc. Dopacherr Hat, Tobacco, vegetable, etc. Dewan Munshi's Hat, Tobacco, vegetable, etc. Bagicha Hat, Cattle. Kahai Hat, Potatoes, etc. Katu Hat, Goats, vegetables. Budpura Hat, Eggs, vegetables, etc. Safai Ali Munshi's Hat, Cattle, goats, tobacco etc. Sener Hat, Tobacco, eggs, vegetables, etc. Peskar Hat, Potatoes, eggs, etc. Kanta Fakir's Hat, Potatoes, eggs, etc. In P. S. SATKANIA — Gajer Hat, Cattle, goat, poultry, vegetables, etc. Kumira Chera Hat, rice, poultry, eggs, goats, vegetables. Ramdas, Munshi's Hat, Rice, cattle, poultry, goats and vegetables. Khodai Hat, rice, poultry, eggs. Bhomang Hat, Tobacco, cotton, poultry, goats, vegetables. Kerani Hat, Cattle. Darbesh Hat, Cattle, goats, poultry, cotton, rice, etc. Teori Hat, Tobacco, poultry, eggs, cattle, vegetables. Dewaner Hat, Nets, mats, eggs and vegetable, etc. In P. S. COX'S BAZAR — Cox's Bazar Hat, Rice, chillies, molasses, etc. Kharula, Rice, chillies, molasses, etc. Khurushkul, Rice, chillies, molasses, etc. Badgang, Rice, chillies, molasses, etc. In P. S. RAMOO — Ramoo, Rice, chillies, molasses, etc. Gajania, Rice, chillies, molasses, etc. Joaniamal, Rice, chillies, molasses, etc. In P. S. UKHIA — Daigabazar, Rice, chillies, molasses, etc. Maissyia, Rice, chillies, molasses, etc. Bhalukia, Rice, chillies, molasses, etc. In P. S. TEKNAF — Teknaf, Rice, chillies, molasses, etc. Nilla, Rice, chillies, molasses, etc. In P. S. CHAKARIA — Ghaneshyam Hat, Rice, chillies, molasses, etc. Ghunia, Rice, chillies, molasses, etc. Chirunga, Rice, chillies, molasses, etc. Dulahazara, Rice, chillies. Huibhang Hat, Eggs, etc., and articles for local consumption. Barabakia Hat, eggs, etc., and articles for local consumption. Bathua Hat, Eggs, etc., and articles for local consumption. Magnama Hat, Eggs, etc., and articles for local consumption. In P. S. KUTUBDIA — Barghop Hat, Eggs, etc. and articles for local consumption. Dhuniung Hat, Eggs, etc., and articles for local consumption.

Complete information on manufacturing all sorts of milk products are contained in Milk & Milk Products. Industry Book Dept., price Re. 1/8.

Rs. 50,19,904 in the previous year to 31,845 tons valued at Rs 62,04,077 in the year under review. The average price for Jute was also higher during the year under report than that of the previous year.

Due to the smaller demands from the United Kingdom which is the only foreign consumer of tea from this Port, the exports of this commodity declined from 75,250,312 lbs valued at Rs 4,44,81,226 in the previous year to 73,616,915 lbs valued at Rs 4,54,60,398 in the year under report. The higher average prices ruling during the year accounted for the increase in the value of exports although the quantity exported was smaller.

In the previous year the percentage of trade of this port with Empire countries was 93.47 and in the year under report it was 93.16.

Owing to the shortage of crops in the Chittagong and adjoining districts the imports of Rice advanced from 66,134 tons valued at Rs 56,41,842 in the previous year to 87,691 tons valued at Rs 72,19,769 in the year under report. The imports of "Cotton piece goods," "Oils," "Tobacco," and "Wood unmanufactured" also recorded the increases of Rs 3,87,210, Rs 1,19,660 and Rs 1,07,643 respectively in value as compared with the previous year. The importations of "Sugar," however, declined by Rs 1,20,829 in value.

The exports of "Cotton (Raw)," "Oil," "Jute (Raw)" "Tobacco" advanced by Rs 1,01,329, Rs 3,19,697, Rs 1,70,973 and Rs 1,87,577 respectively in value in the year under report as compared with the previous year. The exports of "Tea," however, declined by Rs 1,18,584 in value.

Coasting Trade of Chittagong.

The coasting trade consists of trade with Indian ports outside Bengal and trade with ports within Bengal, viz., Calcutta, Narayanganj and Nilla. Naturally the coastal trade was affected by the opening of the Assam Bengal Railway.

The most important item of coasting trade is kerosene oil, imported from Burma, and exports of rice and paddy to Cochin and other ports of Southern India are made largely. Among other exports may be mentioned provisions consisting mainly of eggs, which are shipped in large quantities to Rangoon, metals, salt, and spices, such as betelnuts and chillies which are sent to the same place, and among imports, wood from Rangoon and rice from Burma. Also see page 293.

Industries and Handicrafts.

Various handicrafts are carried on in Chittagong, and the fisheries are a means of livelihood to a large section of the population, and constitutes one of its most valuable industries. There are also small pearl fisheries at Cox's Bazar under Government control. Boats of different sizes are constructed in Chittagong. Ship-building is an ancient industry of the district and there are carpenters expert at ship-building at GOASHAIL-DANGA (Police Station Double Moorings).

Cotton weaving is carried on to a considerable extent. The chief centres are SATBARIA, GASBERIA, DOLGHAT, PATIYA, KATA-KHALI, NOAPARA, MADARSHA, FATEYABAD, HATHAZARI, MAHMUDBAZAR, DHEMSHA, SATKANIA, MIRSHARAI, TETAIYA, JANARDANPUR, BAMANTALA, MAHAJANHAT, RANGUNIA, COX'S BAZAR, RAMU, CHAKARIA, CHANDRAGHONA, ZORWARGUNJ and RANGAMATI. The fine fabrics are woven entirely from imported yarns, while the coarser varieties are produced generally by the Joggis, Jolas and the Bhadralog class from hand-spun yarn for the weft and mill yarns in the warp. Centres of silk weaving are at COX'S BAZAR.

Complete information on manufacturing all sorts of milk products are contained in Milk & Milk Products, Industry Book Dept, price Re. 1/8.

Boat building is a lucrative occupation in the district and boat-makers are to be found in almost every village. About 8,000 people are engaged in the pottery industry and potters are to be found all over the district.

The export and import trade of the district pass through NARAYANGANJ. The chief imports are piece-goods, salt, kerosene oil, wines, shoes, umbrellas from Calcutta; lime and coal from Assam, timber from Chittagong and Assam, rice is imported in large quantities from Backerganj. The chief exports are jute (about 4 lakhs of tons, of which $\frac{2}{3}$ comes from Mymensingh, $\frac{1}{3}$ from Tipperah, $\frac{1}{3}$ from Dacca), hides, pulses, betel leaves, oil-seeds, pottery. There are many large marts besides Narayanganj and Dacca, some of these are JAGIRHAT, BAIDYARBAZAR, NARSINGDI, MIRKADIM, LOHAJANG.

NARAYANGANJ (population 34,149) is practically the port of Dacca. The town is the centre of jute trade in Eastern Bengal and is a great commercial entrepot. It imports lime, honey and oranges from Sylhet, timber from Rangpur, tobacco from Purneah district, cotton comes here from Comilla, Chittagong and Hill Tipperah, hides and skins come from Mymensingh, kerosene oil, teak wood, ivory, black pepper, oil-cakes, etc., come from the interior villages, these things being also brought from Bihar. Rice comes from Backerganj and articles of foreign manufacture come from Calcutta direct, country-made sugar is brought from Bihar and Jessore. Goods are carried by rail and steamers and sometimes by boat.

Religious assemblies are held at DHAMRAI, NANGALBAND (during March) near Sonargaon and at LOHAJANG.

DARJEELING DISTRICT.

The area of the district is 1,274 sq miles and the population 319,979. The district is divided into three parts agriculturally, viz. the mountains west of the Tista river, the Terai and Kalimpong. Languages spoken are Bengali, Hindi, Nepali, Bhutia and Lepcha. The district is situated at an elevation of 7,500 ft.

The district contains a good number of tea gardens and there are good lands available for cultivation. The mountain slopes are terraced for rice cultivation. Cinchona is also cultivated here, while the chief industry is tea making. The forest products include tun and sal. Chiretta, madder and aconite are also collected by people. The mineral products are coal, iron, copper, etc., which are but very little worked.

Chief crops in the district are rice and maize. Tea is grown over about 60,000 acres of land and has a good flavour. Cinchona is planted over about 3,000 acres of land.

Coarse woollen stockings and comforters are woven by women and are sold in village markets. Coarse satranjhis are also made. Sari, chaddars and alwans are made at Sihguri. Coarse cotton cloth is woven, there are breweries at SONADA. Manufacture of blankets, kukris, bamboo-baskets and wooden pots is carried on in this district on cottage industry lines. Demand for these articles is local.

The chief exports to Calcutta are tea, jute and gunny bags and the imports are piece-goods, kerosene oil and salt. Rice comes from Dinajpur and coal and coke from Burdwan.

Imports from Nepal are food grains, piece-goods, manufactured wool, hides, sheep, goats, cattle and poultry and exports to that place are European goods, cotton twist, salt, kerosene oil, tobacco and food grains. The same is the nature of trade with Sikkim. Bhutan trade passes through Jalpaiguri district.

Prepare ghee, butter, casein, condensed milk, etc. at home. Milk & Milk Products explains the way. Industry Book Dept., Calcutta. Re. 1/8.

DACCA DISTRICT.

The area covered by the district is 2,713 sq. miles, the population being 3,432,577 of which 1,743,517 are males and 1,689,060 females

Dacca is essentially a water-logged district as it forms the focus of 3 great river systems of Bengal. The Meghna, the Dhaleswari, the Lakshya all pass through this district. Heavy floods are common and the climate is good. Average annual rainfall amounts to about 73" and tornadoes are not rare.

The climate, the soil and the river system are all favourable to agriculture. The chief crops are rice, jute (most important jute growing district in Bengal), pulses, mustard and other oil seeds, til, betel leaves, plantains (those of MUNSHIGANJ are famous) and sugarcane. Cultivation is being gradually extended to the Madhupur jungle situated on the border of the district. Dacca Town is the seat of a University.

Area under crops in 1935-36.—Rice 1,079,100 acres, barley 14,500 acres, wheat 7,300 acres, other food grains and pulses 77,700 acres, gram 4,100 acres, sesamum 27,200 acres, rape and mustard 82,400 acres, linseed 4,400 acres, condiments and spices 21,000 acres, sugarcane 35,900 acres, jute 235,000 acres, tobacco 10,400 acres, fruits and vegetables 114,300 acres, total 1,766,000 acres.

Weaving of muslin, cotton weaving, spinning and bleaching, embroidery, etc., of this place are famous from remote times. Kasida and jhappan cloths are abundantly made and exported to the central Asian countries. DACCA shell bangles are famous as also the works of gold and silver. Boat-building is carried on at DACCA (population 138,518) and NARAYANGANJ is a great centre of jute trade and industry.

The cottage industries consist of brass, copper and shell work. Steel boxes and trunks are made and Dacca is famous for house-boats made by local mistries (carpenters). Dacca was once famous for fine muslins. DACCA, TARABO, SIDDRIGANJ, NAWAPARA, KACHPUR, ABDULLAPUR, DHAMRAI are centres of hand-loom industries. Kasida cloth is made at SHANORA, BILLISWAR, MATIMAL, DAGAR, etc. Cap embroidery of local Mussalmans is famous. Dacca is the principal centre for making bangles and buttons. Cotton bleaching of Dacca is famous. Country washing soaps are made at NARINDA, AMLIGOLA and NABABGANJ are famous for horn carving. In Dacca town there are many potters and the manufacture of mother-of-pearl buttons is an important cottage industry of the district. The chief place of business is at NANGALBAND and the principal villages where shell buttons are manufactured are situated within a short distance from each other in the Narayanganj subdivision.

The central pearl and shell market is at DEMRA and the shells are either bought direct from the fishermen or from merchants in DEMRA, DACCA CITY, NANGALBAND and NARAYANGANJ. Buttons from horn are manufactured at CHOUDHURIBAZAR, AMLIGOLA and NAWABGANJ of Dacca City. The buttons though well made are not in very great demand.

There are factories at Narayanganj and at Dacca Town, engaged in the match industry and there is a colony of braziers in the town of Dacca and copper-smiths at THATARIBAZAR who make bell-metal ware for domestic use. In the interior of the district the industry is carried on at BRAHMANGAON, DHANKUNIA, LOHAJANG, FIRINGIBAZAR, ABDULLAPUR, SHOLAGHUR and DHAMRAI.

Toilet soaps and washing soaps are manufactured at IMANGANJ, NARINDA and BABURBAZAR in the city of Dacca.

Prepare ghee, butter, casein, condensed milk, etc at home. Milk & Milk Products explains the way. Industry Book Dept., Calcutta. Re. 1/8.

Kaliaganj, 14th. April, One month, Bindole, P. S. Raiganj, 1st November, 15 days, Kadihat, P. S. Ramshankol, 3rd. October, 14 days, Ghoraghat Jalalpur, P. S. Ghoraghat, 15th. January, One month; Lahuridighi, P. S. Bahadangi, 3rd. October, 15 days, Jampur, P. S. Birganj, 3rd December, 7 days, Kaliakamura P. S. Kushmundi, 15th. March, One month, Phulpur, P. O. Churibandar, 14th, April, 7 days Jayganj, P. S. Khansama, 15th. March, 15 days.

FARIDPUR DISTRICT.

The district comprises an area of 2,347 sq. miles and is peopled by 2,362,215 of whom 1,206,348 are males and 1,155,867 females. The number of earners has been calculated at 315,000 among cultivating owners, 30,000 among tenant cultivators and 51,000 amongst agricultural labourers.

Like Dinajpur, Faridpur is eminently a rice-growing tract. Jute is also cultivated in the district, no less than 150,000 acres being under the crop. Other agricultural crops include grains and pulses, rape and mustard, condiments and fruits and vegetables.

Of the net cropped area, about one third bears two or more crops, the area bearing only one crop, viz, rice, being the marshy lands on the South-west. Cultivation of sugarcane, tobacco and groundnut is making headway.

The chief centres of trade in the district are GOALUNDO, FARIDPUR (population 18,516), PANGSA, BELGACHI, RAJBARI (population 7,104) and PATURIA. GOALUNDO is the chief market in this district and is situated on the junction of the Padma and the Jamuna, about 110 miles away from Calcutta. It is the terminus of the railway on this line. It is a mart through which enormous trade passes. MADARIPUR is a centre of jute trade.

The chief articles of trade are fishes (hilsa of this place is famous), water-melon (also famous), jute, wheat, grams, linseed, mustard seed, peas, masuri, khesari, chilli, kalai, date, jaggery, turmeric, sunamung, chintz, napkin, etc., which are largely obtainable here and are exported to other places.

Bell metal and copper utensils are not manufactured at all in this district. Brass utensils are however made from imported brass sheets at and near PALONG the chief centre being NARA, BILASKHAN, DASARATA, KATALBARI and BAGHIA. Boat-loads of clay toys and earthenwares are taken to Backerganj during the paddy harvesting season and bartered for paddy.

Sitalpati mats of fine quality are also made from motra grass. Checks, chintzes and better class dhuties and saris are made at RAJBARI. The weavers of DEORA produce excellent cloths, especially saris, which are sold in large quantities at the nearest markets. Iron implements are made all over the district. Gur is made at PANGSA and RAJBARI.

HOOGHLY DISTRICT.

The Hooghly district (4,232 sq. miles) runs along the western bank of the river Hooghly. The E. I. R. line runs through it. The population is 1,112,255.

The chief crop in the district is rice. Jute is cultivated over about one-third million acres. Potato, vegetables, plantain and pulses grow abundantly in the district. Palms are plentiful.

Cottage industries of this district comprise carpentry at CHANDERNAGORE, for Calcutta markets, brass and bell metal work at BALLY, ARAMBAGH Sub-division, BANSHERIA and KAMARPARA, silk weaving and mulberry rearing at several centres in the ARAM-

Full particulars about making and recharging batteries are available in Manufacture of Batteries. Industry Book Dept., Calcutta. Price Re. 1/8.

DARJEELING (population 19,903). The scenery of Darjeeling is magnificent with a vast series of mountains in front, all of which are usually covered with snow. The gorgeous scenery is best visible during the months of May and the early part of winter. The mountain slopes are densely covered with magnificent forest. The climate of Darjeeling is of a varied character. The temperature varies from 35° to 60° and the rainfall is generally heavy and averages about 125" annually. It is the summer seat of the Bengal Government.

KALIMPONG (population 8,776) is an important centre of wool and carpet weaving and lac making. Other important towns are **KURSEONG** (population 7,451) and **SILIGURI** (population 6,667).

A fair is held at Kalimpong in the beginning of December and lasts for 2 to 3 days.

D. H. Ry. serves the district and there are good metalled roads

DINAJPUR DISTRICT.

The area comprised in the district is 3,946 sq miles with a population of 1,755,019 of which 923,801 are males and 831,218 females.

The chief crop in the district is rice which is cultivated almost everywhere. In fact rice is under cultivation on about 1 million of acres. Dinajpur is also famous for jute. Sugarcane is being grown on an increasingly large scale in the district.

DINAJPUR is the head-quarter town of the district which is situated on the metre-gauge line of the E B Ry. The place exports large quantities of rice and paddy to foreign countries through Calcutta and also to various other parts of Bengal.

There are several establishment for weaving jute mattresses as a home industry. Silk endi is manufactured on a small scale in villages **KHALAKHALI**, **RUCHIA** and **BARSHALUPARA** in Thakurgaon Sub-Division from endi yarn available there. The raw endi is available in a very small quantity.

Cotton weaving is also carried on in many places of the district: but the main centres of the industry are **DEBIRBAZAR**, **JAUNIA**, **SHABAZPUR**, **CHIRIRBANDAR**, **RANISANKAIL**, **KHANSHAMA**, **KESARBARI**, **RANIRBANDAR**, **CHURAMON** and **BHOROTE**. The manufactures include cloth, pheta, lungi, chaddar and gamcha. Mosquito curtain cloth is manufactured at **ITAHAR**. **LAHIRIHAT**, **BOCHAGANJ**, **GORIA**, **KHANSAMA**, **RAIGANJ**, **DHANKOL**, and **PATIRAJ** are centres of trade.

Good chira is available here. Mats are woven here with a variety of sticks of a certain kind of grass. Fine specimens of pottery are also made in this district. Gur is made at Birganj, Pirganj. There is one sugar mill.

Tanning is an important industry, tanned hides being sent to Calcutta. Cartwheels are made from timber brought from Siliguri and Duars. Axes, iron cart bands, ploughs and iron utensils are made at **PATNITOLA**, **KOTAHALI**, **Parsa** and **Raiganj**.

Two famous melas are held—one at **NEKNOW** and the other at **ALAHWARA**, where various sorts of live-stock are sold and agricultural implements are also brought for sale. Others include Nekmurd, P. S. Ranishankoil, 13th. April, 15 days; Allowakhoa, P. S. Alavari, 31st October, 15 days; Kantanagar, P. S. Kaharol, 31st. October 15 days; Haripur P. S. Haripur, 1st. March, 15 days, Sibganj, P. S. Thakurgaon; 15th March, 14 days, Dhemdhem, P. S. Birganj, 18th October, 15 days. Patiram, P. O. Balurghat, 26th January, 15 days; Dhaldighi, P. S. Gangarampur, 8th. February, 22 Days. Chuntamon, P. S. Phulbari, 25th April, 1 month; Kukramoni, P. S.

Full particulars about making and recharging batteries are available in *Manufacture of Batteries*. Industry Book Dept., Calcutta. Price Re. 1/8.

Dighi Mela, on Baruni day, Khanakul, Chanteswar: Mela, Rangtakhali, Arambagh, Rash Mela, Agra-hayan 5 days; Bali, Goghat, Rash Mela, Agra-hayan, 5 days, Krishnanagore, Khanakul, Rash Mela, Agra-hayan, 5 days, Arambagh, Olai-bibi Mela, Chaitra, 3 days, Basudebpur, Arambagh, Rash Mela, Agra-hayan, 5 days; Dhulepur, Goghat, Kelasona Mela, Pus Sankranti day and following 2 days, Jarui, Khanakul, Bagabati Mela, 1st. Basakh, Batanal, Aimbagh, Hooghly, Rath Mela, July, Nandanpur, Khanakul, Rash Mela, November, Kokanda, Goghat, Kokand Mela, Baiuni day, Ghoshpur, Khanakul, Sri Panchami Mela, February, Raghupati, Goghat, Chaitra Sankranti Mela, Goghat, Kadam-rasul Mela, 11th, 12th, and 13th Falgun.

HOWRAH DISTRICT.

The district (530 sq miles) is inhabited by 1,090,379 souls, being the smallest district in the Presidency.

Chief crops in the district include rice and grains. Fruits and vegetables grow plentifully in the district. Jute is grown on a limited scale.

Cotton weaving in this district with Serampur pattern of looms is practised. The chief centres of weaving are ANDUL and ULUBERIA. ANDUL is famous for dhots of fine quality. Paper making by "Kagaz" is practised to a small extent at MAIMAN. The tape and newai weaving industry is confined to a few villages of the district.

HOWRAH (population 224,373) the head quarter town, is situated on the opposite side of Calcutta and is connected by a pontoon bridge with it. It is the important terminus of the two great Railways traversing Northern, Southern and Central India. The E. I. Rly. carries the agricultural products of Bihar and the United Provinces, the richest agricultural provinces of India and also serves the coal districts of Bengal and Bihar. The B. N. Rly. penetrates into the interior of C. P. and carries merchandise of foreign trade for that province. Another important branch of the Railway runs as far as Waltair and serves Orissa and a part of the Madras Presidency.

The goods sheds of the Howrah station are extensive and have a place set apart to serve as a grain market of Calcutta, nay, of the whole of Northern India. Here in this market can be found brokers who are busy transacting business in grains that have been consigned to them in wagons from towns in U. P., Bihar and the Punjab.

The chief articles of trade consist of mustard seed, wheat, linseed, gram, peas, castor seed, poppy seed, etc., which are sold in the market. All grains and seeds except rice and paddy are sent to Howrah Station, and rice and paddy are consigned to RAMKRISHNAPUR and marketed there. Communication with this place is also easy, goods being brought by rail, steamers and country boats. The mills of Calcutta and Howrah make their purchases here.

There are several jute mills and engineering workshops and flour mills on the banks of the Ganges and these mills engage a large number of men. Besides there is a big workshop of the E. I. Rly., at LILLOAH, not very far off from Howrah.

HOWRAH HAT is famous place of trade and is situated on the western side of the Railway Station and is reached through the over-bridge. The hat sits every Tuesday. Ready-made coats and shirts, etc., are sold in abundance here. Hand-loom dhories and saris are available in large quantities. It is here that business in molasses is extensively carried on, and people from Calcutta and all parts of Bengal, assemble to make their purchases.

SALKRA—It is one of the most important industrial towns in the district and being in the neighbourhood of Calcutta it is growing in

Principles of construction of storage batteries and their care are dealt in Manufacture of Batteries. Industry Book Dept., Calcutta. Re. 1/8.

BAGH sub-division and at BALLIDEWANGANJ. Urans and pagrees are made and exported to U P and the Punjab.

Tassar-weaving is practised in cottages at HARIPAL, KAIKALA, RAJBALHAT and BEGUMPUR, SERAMPORE and FARASDANGA are important centres of cotton weaving. Paper making is practised (hand made) at MOHUAD, GOSSAINMALPARA, NEALA, BALLI DEWANGANJ by "Kagazis" (Mahomedans). Brick manufacture in the SERAMPORE sub-division is worth mentioning.

The chief market places in the district are—

BHADRESWAR (population 22,992)—It stands on the Hooghly. There are several jute mills here.

CHINSURAH (population 32,534)—Now forms a part of the Hooghly town and is an important centre of trade.

MAGRA—The chief articles of trade here are rice and paddy, potatoes, oil-cakes, jute, kalam, etc. A good sand business with Calcutta is carried on, as also business in castor-cakes which are stocked in Ashar and sold away in Bhadra when the potato season sets in.

TARAKESWAR—Many pilgrims from different parts of Bengal, Bihar and U P assemble throughout the year to worship God Shiva and make purchases, and the mela during Shivaratri in March is famous. The surrounding country produces rich crops of rice, potatoes, jute, jaggery, etc., which are exported by rail. It is a good market for mustard cake, castor cake, mustard oil, salt, piece-goods and kerosene.

SERAMPORE (population 39,056)—There are several cotton weaving and spinning mills, where dhuties and saris are manufactured and are extensively used all over Bengal. The most important of them are the Bengal Luxmi Cotton Mills, Rampooria Cotton Mills and Bangeswari Cotton Mills. A few other cotton mills are also under construction. There are paper works in the locality. Business also centres round betel-leaf. A big fair is held at MAHESH near Serampore during Rathajatra.

SHEORAFULLY (Baidyabati) has a very flourishing hat, held twice a week on Saturdays and Tuesdays.

BAIDYABATI (population 18,486)—It is one of the biggest marts in Bengal. Potatoes in large quantities are sold there wholesale. Bananas, pumpkins and other vegetables also come to the hat in huge quantities. Vegetables, jute, sunn or hemp, onions, castor cake, paddy, rice, gur, molasses are the articles of trade. Plantains of this place are sent to different parts of Northern India, this mart is the chief source of vegetable supply for Calcutta, and castor cakes are sold here in considerable quantities.

CHANDERNAGORE (Luxmiganj)—French Settlement. Here the articles of trade are rice, paddy, potato, molasses, jute and onions, cotton cloths are also manufactured locally which are much appreciated for nicety and durability and are known throughout Bengal as Faras-danga dhuties and saris. This place is also noted for the manufacture of unpolished chairs which are sent down to Calcutta daily. Business in plantain and coconut goes on extensively throughout the year.

BATANAGAR—A new industrial town in the district named after Thomas Bata of Bata & Co., who has established a shoe factory here. 12000 employees produce weekly over 180,000 pair of shoes.

Other industrial and commercial towns are BANSBERIA (population 14,221), RISHRA-KONNAGAR (population 26,368), CHAMP-DANI (population 25,368), UTTARPARA (population 9,350) and KOTRUNG (population 7,160).

Important fairs in the district are—Serampore, Rathajatra, July, Tarakeswar, Sivratri, March, Dihiberaia, Arambagh, Ranjt Ray's.

Principles of construction of storage batteries and their care are dealt in Manufacture of Batteries Industry Book Dept., Calcutta. Re. 1/5.

tobacco and other cold season crops are also grown. The date palms now almost extinct.

Cotton cloth is woven. KOTCHANDPUR, JESSORE, MADHYAKUL, KESHABPUR and RAJARHAT are the main centres. Mats and baskets are made. Date-palm sugar and fur industry are of local importance and the output is estimated at about 25,000 maunds. Combs of buffalo horns and celluloid articles are also made.

The chief cottage industries of this district include mat making which is well organised. There are colonies of gairesies (blanket weavers) from Airah who weave blankets of coarse quality. Date sugar and gu are made on a large scale, specially at KOTCHANDPUR. Other places worthy of notice are TAHIRPORE or TARPORE, CHAUGACHE, JHIKARGACHA, KESHABPUR, KALIGANJ, FALTOLA, and FAKIRHAT.

Imports into the district are rice and sundri wood from Backerganj and the Sunderbans. Cotton piecegoods, cotton twist, salt, kerosene oil, flour and potatoes come from Calcutta, and coal comes from Burdwan. The exports are paddy, pulses, jute, linseed, tamarind, coconut, unrefined sugar, oilcake, hides, earthen jars, cart wheels, bamboos, bones, betelnuts, timber, ghee, fish, etc to Backerganj and Calcutta. Most of the traffic is carried by boats and rail (J. J. Rly) except in Jhenidah where it is carried by carts. KOTCHANDPUR (population 6,115) is the largest trade market in the district. MAHESPUR (population 3,321) is the next town of some importance to trade. NALDANGA, CHAUGACHA, MAGURA, KESHABPUR, JHENIDAH, CHANDKHALI, KHAJURA are the other trade centres.

JESSORE (population 11,356) is the seat of manufacture of the celebrated combs.

Important fairs are held at Kalna, Narail, March, Rupganj, Tuesdays and Saturdays in Baisakh, Ganganandapur, Bongaon, December. Harishpur, Bongaon, January, Garapota, Bongaon, April; Gobiapur, Bongaon, April, Boyra, Bongaon, May, Matigage, Bongaon, June; Bongaon, June; Gopalnagar, Bongaon, May, Charaigachi, Gaighata, Agrahayan, Moraldanga, Gaighata, Pous; Jaleswar, Pous and Chaitra; Ichapur, Gaighata, Chaitra; Duma, Gaighata, Baisakh; Natima, Moheshpur, Jaista, Tengarpur, Moheshpur, Jaista, Khalishpur, Moheshpur, Falgon, Moheshpur Municipality, Bongaon, Shaban, Benapole, Saisha, Jessore, Magh, Subarnakhali, Sarsha, Falgon.

E. B. Rly. are the railways traversing the district. The road from Calcutta to Jessore is important and the rivers are all navigable to some extent.

KHULNA DISTRICT.

The district of Khulna (4,730 sq. miles) has a population of 1,626,098. Average annual rainfall is about 67".

The district occupies the central portion of the Meghna delta. The country appears from villages as a vast plain covered with rice, reed and rush. The southern portion, however, known as the Sunderban tract, is a region of morasses and swampy islands and is covered with dense evergreen forests and is flooded with salt water during tidal periods. Crocodiles, lizards, fishes and game birds abound in the jungles and rivers.

The soil of the district is either sandy loam which is suitable for fruit trees, betel leaf plantations, pulses and oil seeds, or clayey, suitable for rice cultivation. The principal crops grown are rice, sugarcane, cereals and pulses, jute, til, gram, linseed, rape, mustard seed and tobacco. There are orchards and garden lands.

For full process of manufacture of phenyle, read DISINFECTANTS & ANTISEPTICS. Industry Book Dept., Calcutta. Price Rs. 1/8.

importance There are a number of cotton mills and jute presses in the town. A number of engineering workshops exist, while aluminium wares, ropes, etc., are made on a large scale. It is a centre of raw cotton trade.

ULUBERIA—The sub-divisional town is more a commercial than an agricultural centre. The place is famous for coconuts which are available there in abundance. The local earthen pots are very good in quality and are sent to Calcutta. The pitchers, handies, etc., are sold in the Calcutta market and have a good name. Hogla grass from which mats are made are available here and are exported in large quantities.

SANTRAGACHI—There is a railway workshop of the Bengal Nagpur Railway at this place. There is a glass factory here. The place is famous for "oil" commonly known as Elephant's foot.

BALLY (population 30,347)—It is an industrial town there being jute mills along the Ganges nearby.

JALPAIGURI DISTRICT.

The district (2,384 sq miles) has a population of 983,170.

The produce of the district includes paddy, cabbage, potato, tobacco and betelnut. Area under jute gradually increases. Tobacco of the district is gaining in importance. Tea and timber grow abundantly. Many tea estates under Indian management are doing well.

The pottery industry is extensively resorted to in many villages of this district on account of naturally occurring good clay. Vessels made here stand fire well and last long. **PATEAL** cooking vessels, **SANKRAIL** jais, **CHANDIPUR** toy and masks, brackets, models of fruits and pots made at **DOMJUR** and **ULUBERIA** are well known. Roofing tiles of better quality are produced in **JHAPARDAH**, **PRASSTHA** and **MOWRI** in **DOMJUR** Thana. Gun and molasses are made near **PACHAGARH** and **RAJGANJ**.

The most important cottage industry is cotton weaving which is carried on mostly at **PAHARPUR**, **TITALYA**, **KRISTNAGAR**, **MEERGHAH**, **BALLIRPARA** and **JHOLLA**. Gunny cloth and coarse silk endi are woven throughout this district. Tea is the chief industry of the district.

The district has a fair trade with Bhutan in piece-goods and silk, which are exported, timber and oranges are also imported from Bhutan. Rice is imported from Dinajpur, other imports are piece-goods, machinery, corrugated iron, tea garden markets, and fair is held at **JAPDES**, other centres of trade being **JALPAIGURI**, **TITALYA**, **RAJNAGAR**, **SALDAYA**, **DEBIGANJ**, **BARUA**, **JORPOKRI**, **MYNAGURI**, **ALIPUR**, **BUXA**. The district is well served by roads and railways.

Important fairs are held at Falakata, during Saraswati Puja, 15 days, Jalpesh, Managuri, Sivaratri, 1 month. Banskata, Patgram, Barun Snan, 15 days, Boalmari, Boda, during Baruni Snan, 15 days, and Alipur.

JESSORE DISTRICT.

The district of Jessore with an area of 2,909 sq. miles and a population of 1,671,251 forms the central portion of the Hooghly and the Meghna estuary. Clumps of bamboos, groves of areca and other fruit trees are common in the jungles of Jessore. The mean temperature of 74°, varying from 54° in January to 79° in June. The annual rainfall averages 60".

The soil is fertile and rice is the staple crop, and sugarcane are used for the manufacture of gur and eventually sugar. Indigo is

For full process of manufacture of phenyle, read **DISINFECTANTS & ANTISEPTICS** Industry Book Dept., Calcutta. Price Rs 1/8.

Pure silk weaving is carried on in 5 villages at close quarters in SIBGANJ thana. Mahajans collect the goods and dispose of them to merchants of Rajshahi and Calcutta.

Other industries of the district are—(1) Brass and bell-metal industry at ENGLISH BAZAR, KALIGRAM, KANSHARIPARA. (NAWABGANJ), SANKARBATI, CHAR JOT PRATAP, MAJPARA, BILPARAND, AJAIPUR. Articles manufactured from brass consist mainly of lotas, known as Saidullapur lotas, which are greatly in demand. About 975 mds of finished goods (cups and spoons from bell-metal) and produced at SANKARBATI and other villages, thalis (bell-metal) of different shapes and sizes are made at Kansharipara.

(2) Cotton weaving at KHARBA, MANIHANDA and GOBINDA-PUR in Khanba Thana, KALAIACHUCK and HARINAGAR, LAHARPUR, RASULPUR, SATRAJITPUR and JAHANGIPUR in Shibganj Thana.

(3) Katari weaving at SHAHAPUR, BALA, and NAGESWARPUR in English Bazar Thana. Katari cloth is a fine coloured fabric made out of a combination of silk and cotton. Red, yellow, deep blue silk yarns and black cotton yarns are used in weaving. The goods are woven in thans of 8 yds in length and 27 inches in width. All goods are nearly of the same pattern though under different names according to the arrangement of the coloured warp. Katari cloth has no local sale and is exported to foreign countries through Bombay merchants.

(4) Tanning and shoe-making industry at HYDERPUR village (English Bazar).

AMINGANJHAT—It is a most important silk mart in Maldah and in the whole of Bengal and traders come here from neighbouring districts to make their purchases. The chief articles of trade are mulberry silk, cocoon, wound and raw silk. Business here is so brisk that the transactions sometimes rise up to Rs 1,00,000 in a single market day. It is reached by carts.

A fair is held at Iho from Jan 18 to Feb. 3.

Other trade centres are ENGLISH BAZAR (population 16,907) and NAWABGANJ (population 15,326).

MIDNAPUR DISTRICT.

The district has an area of 5,145 sq miles and a population of 2,798,948.

The district is on the whole very fertile and produces rich crops of paddy which is generally exported to Calcutta or to the Madras side.

The cottage industries comprise carpentry at GHATAL, brass and bell-metal work at CHANDRAKONA, RAMJIBANPUR, KHARAR and GHATAL (highly organised). KHARAR is famous for thalis and gharas. Mat making is carried on largely in the south of the district. Mats are made from locally produced grass and the products are sold locally and exported to Calcutta and other places in the SABONG and PONSKURA THANAS (with about 1,000 workers). The industry is a flourishing one. There are large exports of pottery works from the Ghatal sub-division. Silk and mulberry weaving are carried on at GHATAL, NIMTALA, BIRSINGHA and DESHPUR. About 25,000 lbs of silk is yearly made in the north of the district. Tassar weaving and cotton weaving are carried on at GHATAL (important centre), RADHANAGAR and RAMJIBANPUR. Coloured saris are woven at CHANDRAKONA and blankets are woven by a colony of garesles.

The principal marts are KHARAGPUR (population 58,134) which is a big railway town, CHANDRAKONA (population 6,016) is famous for brass metal utensils, ghee (both cow and buffalo), butter, curdled milk and milk.

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Considerable quantity of fish is sent to Calcutta. Firewood, shells, honey, bees wax, golpatra, canes, reeds are the forest products exported besides sundri timber. Rice, betelnuts, coconut, molasses, sugar and coarse matting are principal exports from the district.

The chief cottage industry of this district is cutlery. It is scattered all over the thanas KALIGANJ and SIAMNAGORE and daos, scissors, nut-crackers, sacrificial knives, etc., are the chief products. A large quantity of fine and coarse cotton cloths are manufactured in this district. The chief centres of weaving are PHULTALA, BARDAL, MORRELGANJ, ELAIPUR, BAGERHAT, MANGURIA and DUMRIA. Of them BAGERHAT has recently been famed for coatings, shirtings, woollen wrappers, etc.

The earthen pots and jars of KALIGANJ and black earthen jars (used for storing oils and grains) are exported in large quantities.

Molasses and sugar of different varieties, are made in GAZIRHAT, CHUKNAGORE, and PATKELGHATA.

The principal imports into the district are cotton twist, cotton piece-goods, hardware, glass-ware, sugar, shoes, kerosene oil, coal, coke, lime and tobacco.

The chief trade centres are KHULNA (population 19,120), DAULATPUR, FULTALA, ALAIPUR, KAPILMUNI, CHAKNAGAR, CHALNA, KUTARHAT, etc., in the Khulna subdivision. MANSA, BAGERHAT, FAKIRHAT, MORRELGANJ, etc., in the Bagerhat subdivision. SATKHIRA (population 11,241), NAWABANKI, DEBHIATTA, CHANDURIA, TALA, DASANTPUR in the Satkhira subdivision. Trade is carried on in permanent markets and hats.

Goods are transported by the D. B. Rly., while in the north steamers and cargo boats carry goods. Internal trade is generally carried on by cargo-boats among numerous rivers, creeks and channels.

MALDAH DISTRICT.

The MALDAH district has an area of 1,809 sq miles and a population of 1,053,761.

There are many khals, jhils and rivulets in the district and the district produces rich rice crop. The district possesses magnificent mango groves and gardens, the fruits of which are considered best in Bengal both in size and in quality. The centre of the mango trade of the district is the headquarter station of MALDAH and mangoes are carried to Calcutta and other places by steamers and by rail.

Silk reeling is the most important industry of the district and is conducted on both a small and a large scale. The dried cocoons are procured from hats and also from rearers direct. Reeling is conducted entirely on country ghals. Only a small part of the total silk produced locally is consumed by the silk weavers of the district. The silk is mostly disposed of by post to merchants of Berhampore (Ganjam), Trichinopoly, Salem, Triplicane, Masulipatam, Travancore, Secunderabad, Belgaum, Surat, Sujanagar (Gurudaspur), Mabarakpur (Azimgarh), Bijnour, Amritsar, Anantapur (M & S M Rly.), North Arcot, Bangalore, Tanjore, Bhandara, Akyab, Kayts (Ceylon), Chittagong, Bankura, Benares and other places.

Matka weaving industry is carried on in GOYESHPUR and JYOT (English bazar thana), NARATTAMPUR, MOHANBAG, SIONAGAR and DEWANJAGAR (Sibganj thana). Of the produce, a considerable portion is bought by local people and the mahajans dispose of a portion to other visiting wholesale dealers, and a large portion to known shopkeepers of English Bazar, Rajshahi and Calcutta.

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Department will also re-open old silk kuthis for the purchase of silk cocoons

BERHAMPUR (population 27,403)—It is the headquarter station of the Muishidabad district and stands on the Bhagirathi. The chief industry of the place is silk weaving. The **BERHAMPORE** merchants have business connection with Madras, Bombay and Calcutta firms and through them with foreign countries also. Sujai work is carried on here by the womenfolk during leisure time. These bed sheets are, however, rarely found in the markets for sale. There is also a cocoon breeding farm under the Horticultural Department with a weaving institute attached to it. Mangoes are plentiful during the summer season.

The chief cottage industries of this district are brass and bell-metal works of **KHAGRA**, **BERHAMPUR**, **KANDI** and **JANGIPUR**, of which the products of **Khagra** are famous. Small figures of gods are also moulded here. Nut-crackers, locks and nails are made at **DHULIAN** and steel trunks, safes, etc., are made at **JIAGANJ**, **BHAGAWANGOLA** and at **SIMULIA** in **BHARATPUR** police-station.

Pottery of superior quality are made at **KANTHALIA** and **BOLTULI** in the **Kandi** sub-division and **GORA BAZAR**, **ISLAMPUR** and **Sadar** sub-division are important centres of silk reeling and weaving. **BALUCHAR** and **MIRZAPUR** are famous for high class weavers. There are several filatures in this district. Mulberry silk weaving is practised at **KHAGRA**, **BALUCHAR**, **MIRZAPUR**, etc. Soap is made at **Lalbagh**.

Ivory-carving is carried on in this district. The best carvers of India are found in Muishidabad (population 9,483), **KHAGRA** and **MATHRA** are important centres. Coarse blankets are woven in **JANGIPUR**. The district (**Jangipur** and **Sadar** sub-division area) is an important centre of lac turnery. Paper making by hand is also practised at **KRISTOPUR** and **SRIRAMPUR** in the **Jangipur** sub-division.

JIAGANJ (population 10,998)—The chief market of the district is **JIAGANJ** where various articles of trade are obtained. The grains and seeds of this place are known as **Deshwal** goods and are free from admixture; rice, paddy, jute, flax and hemp are obtainable and are exported from the place, other articles of trade include kalai and mung, gram, wheat, linseed, mustard seed, peas, masur, red pepper, khesari, jaggery, sona-mung, silk cloth. **Balaposh** and steel trunks are the articles of trade of this place. Goods are carried by rails and boats and occasionally by steamers. It is connected with **Berhampur** by a good road and has a large cart and motor traffic. Many **Mauwaris** have settled here, and there is a good garden in **AZIMGANJ** which is worth seeing.

Other important marts are **KANDI** (population 12,616) with many workshops for bell-metal industry, **PANCHTHUPI**—two melas are held here during January and February, which are attended by many people, **DHULIAN** (population 9,767)—the chief articles of trade of this place are rice, paddy, gram, linseed, mustard seed, pulses, jaggery, sugar, clothes, coriander, potatoes, tobacco, turmeric, oil cake and lentil.

Religious fairs are held at **KANDI** while those at **KALITOLA** held in "Pous" and **RUDDRADEVA** are famous. Other fairs are—**Bishnurpur** **Kalitola**, December, **Khagra**, (January); **Lalgaola**, **Lalbagh**. **Rath-jatra**, **Kirteswari**, **P. S. Nabagram**, every Tuesday in **Pous**.

MYMENSINGH DISTRICT.

This is the most thickly populated district in Bengal, being peopled by 5,129,664 persons. The area of the district is 6,332 sq. miles. The

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Other places of commercial importance are **CONTAI**, **TAMLUK** (population 9,095) (on the Rupnarain) and **RAMJIBANPUR** (population 6,230).

MIDNAPUR (population 32,021) —It is the headquarters of the district.

The chief imports into this town from the interior by carts and by rail are rice, sugar, lentils, cocoons, silk, cotton, betel, coarse cloth, napkins, mats, brass utensils, etc. The imports from Calcutta consist of piece goods, kerosene, oil, ghee, stationery, and medicines, salt and iron manufactures. Miscellaneous articles of trade are brought here from Calcutta and other places. Goods are generally sent away by rail.

Important fairs are —In **TAMLUK**, Mahisadal, Rath, 7 days, Reapara, Skaratri, 7 days, Bamunara, Akshaya Tritia, Raghunathbati, Rath, 3 days, Bahubera, Rath, 7 days, Tamluk, Pausi Sankranti and Chaitra Sankranti, Moja (Gaisafat), Rash, 3 days, Gajina, Moyna, Bhadia Sankranti, 7 days, Shivam Sundarpur, Panchkura, Last Saturday in Chaitra. In **SARANG**, Dangra, Baisak; Maligam, Chirak Sankranti; Khawkhad Raghunathpore, Tulshi Chirak Mela, 1st day of Magh, Kolanda, Basti Jat Mela, 2nd & 9th Magh, Shitalda, Shiva Chaturdashi Day, Kerabai, Last day in Chaitra, Tilantapara, Last day of Chaitra, Purna, Last day of Chaitra. In **GAJIBELTA**, Raghunathbati and Kantapal, Bagul Krishnagan Dole Mela, 1 day, Kantore, Chaitra Sankranti, 3 days, Pingbati, Chaitra Sankranti, Bahurampur, Mh Bagan Mela, "Muharram" Festival, Sateaga, Sateaga Mela, 3rd Magh. In **DEBIRA**, Chandipuri, Kodai Bhui Bhari Mela, 12 days from Pous Sankranti, Marotala Satyapur, Satyapur Mela, Last Day of Baisak. In **DANTON**, Sarasankya, Pous Sankranti, Nahangara, Last day of Pous. In **KHARAGPUR**, Madpur, Gajan Mela, last day of Baisak, Barbanshi (Ghalaghara), during "Kali-Puja Festival" and Gajan in Chaitra and Baisak. In **SALBANI**, Megha Khan alias Ramnagar, Saraswati Mela. Vegetables, dry fishes, pottery etc., Kainagarh, Mohamaya Mela, Pous Sankranti, vegetables, dry fishes, pottery, etc.; Kainagarh, Jhureswar Jat, 30th and 31st Chaitra. In **KESHIPUR**, Neradoul, Kameshwar Jat, Eight days from Pous Sankranti, Dalhara, Bateswar Mela, Chaitra Sankranti, Bakiabad, Narajengai, Midnapur Chaitra Sankranti Mela, Enayetpur, Thana Midnapur Hathi Dhara Buri Jat Day after Pous Sankranti.

MURSHIDABAD DISTRICT.

The district comprises an area of 2,091 sq miles and is inhabited by 1,370,677 people.

Area under crops in 1936-37. Rice 698,000 acres, wheat 44,000 acres, barley 29,800 acres, gram 165,500 acres; grains and pulses 105,000 acres, linseed 76,000 acres; rape and mustard 18,900 acres, total oil-seeds 62,000 acres, condiments and spices 6,800 acres, jute 35,000 acres, fruits and vegetables 29,000 acres, fodder crops 13,300 acres, total 969,000 acres.

Silk industry which was once a thriving industry of the district is in a decaying condition. The Government of Bengal are now attempting to revive it through the Sericultural Department. The Department of Sericulture has during the present year advanced Rs 50 each to 60 cultivators and rears of silk cocoons. They have opened centres at Purandarpur, Panchthupi, Puraparagupur, Panchgaon and at other places, and are now distributing healthy and disinfected silk worms at a nominal cost to the rearers of silk worms.

The Department is also trying to help the cultivators by giving them expert advice in the matter free of cost. For this purpose one demonstrator has been placed in charge of each centre. The

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- A cattle fair is held at JAMALPUR during January
 A B. Railway traverses the district

NADIA DISTRICT.

The district (3,404 sq. miles) has a population of 1,532,418

The district of Nadia takes its name from Nabadwip, though the administrative headquarters have since been transferred to Krishnagar. The district consists largely of alluvial plain. It extends from the head of the Ganges delta and embraces numerous rivers through which surplus water of the Ganges passes. The condition of these rivers, however, is not good. There has been a greater tendency to flood recently and this has increased fertility and improved healthy, although some damage to crops was experienced.

The district is not very healthy and malaria is prevalent during the latter part of the rainy season.

The soil is universally light sandy but not fertile owing to absence of the natural fertiliser—red flood-water. The principal crops are rice, jute, gram, peas, masuri, wheat, barley, chillies and turmeric, (forming rural industries). Orchards and market gardens occupy about 100,000 acres and produce good mangoes and potatoes which are consumed by Calcutta.

Area under crops in 1936-37. Rice 726,000 acres, wheat 10,070 acres, gram 60,400 acres, grains and pulses 27,200 acres, condiments and spices 4,500 acres, sugarcane 13,030 acres, sugar-bearing palms 5,350 acres, jute 61,000 acres, tobacco 3,400 acres, fruits and vegetables, 3,400 acres.

Jute and other surplus crops are generally exported from the district and are carried by railway and also by boats and steamers. Other exports are gram and pulses, sugar and unrefined sugar, linseed and Indian cotton goods. Rice and paddy are imported, coal comes from Burdwan and Manbhum, salt, kerosene oil and piece-goods are brought from Calcutta. Iron goods (enamelled) are also imported from Calcutta.

The chief industries of the district are cotton weaving, pottery, basket-making, brass, copper and bell-metal work, gur making, etc. SANTIPUR is famous for fine saries and dhuties. KUSHTIA is also of growing importance and has a cotton mill. It is also famous for chaddar and metal utensils. The pottery industry is carried on, on a large scale, in RANAGHAT, MEHERPUR, KRISHNAGAR, SANTIPUR etc. The earthenware models of Krishnagar, Ranaghat and Santipur have a reputation of their town. They find a market even in European countries. MEHERPUR is an industrial centre for cloth, gur, hides, etc. Tin box making is now progressing at KRISHNAGAR. Blankets are made at GOARI, MAJDIA, MAHESEGANJ, SHIKARPUR and also at KRISHNAGAR, MEHERPUR, and SWARUPGANJ, and the products are disposed of both locally and abroad.

Important trading centres are KRISHNAGAR (population 24,284), NABADWIP (population 18,861), SWARUPGANJ, RANAGHAT (population 11,895), HAT-BOALIA, CHUADANGA, KUSHTIA (population 9,405), KUMARKHALI and KHOKSA.

The external trade is carried on by the B B Ry. and by steamers and country boats. Internal trade is carried on by carts and country boats. The district will shortly be connected with Calcutta by pucca road however. A large sugar mill is being built at Plassey by Messrs Anderson Wright Messrs Renwick & Co., of Kushtia have long had a factory for making sugar crushing machines which deserves mention. Trade is mainly done with Calcutta.

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average annual rainfall amounts to about 86" The climate of the district is generally not good

The greater portion of the district is a highly cultivated plain, watered by big rivers and their off-shoots and feeders but the Modhupur jungle for the most part is waste Near the big rivers the soil is a sandy loam which is suitable for the jute and spring crops Rice is the staple crop. Roughly one-fourth of Bengal jute crop is raised in this district between BHAIRAB BAZAR and GAFARGAON Other crops are oil seeds (rape and mustard), pulses, wheat, barley, sugar-cane, betel-leaves and tobacco

Cotton weaving is practised on a large scale Cloth (endi) is woven at SANDEHKONA (NETROKONA) Fine silalpati mats are woven Brass and bell-metal wares are made at ISLAMPUR (Jamalpur), KAGMARI (Tangail) Cutlery of KARGON and BAJITPUR are famous Cane boxes, molasses and mustard oil are also produced TANGAIL saris are famous and are extensively sold throughout Bengal The so called Dacca cheese is made at ITNA and biscuits and loaf making are done in KISHOREGANJ subdivision Pearl fishing is done on the Meghna and the local jewellers purchase the pearls, fix the price and export them to Calcutta Canework of CHAR ISWARDI is in great demand in the Mymensingh town Fine specimens of pottery are made KISHOREGANJ, BAJITPUR (in Kishoreganj subdivision) produce embroidered and high class saris. A fair quality of cloth is woven in Tangail. This competes with finer qualities of Farasdanga, Santipur and Howrah. Finer dhuties are made at PATHRAIL, KAGMARI in BAJITPUR Paper toys are made at BOWAKHOLA

Rope and string making is carried on in the district by a class of men called Kapalis who twist jute twine by hand and weave gunny cloth The importation of coconut coir ropes and strings from outside has displaced jute strings and ropes. Hemp stings and ropes are largely manufactured at BHAIRAB and in the neighbouring char lands Dragging ropes (goon for boats) are made in the Meghna side and in places in Kishoreganj subdivision Bajitpur carpenters are famous for their work They make good engraving, high quality chairs, kuanal, bed-stands, etc., and various fancy articles of wood, e.g., spectacle cases, clock-brackets, teapots, etc They also manufacture hookah tubes, There are match factories using local woods

Trade is carried on by rail, river and also by carts and pack-ponies The chief export is jute (to Calcutta) being baled at Serajganj and Narayanganj, other exports are pulses, rice, oil seeds, hides, raw cotton, cheese, ghee, dried fish and brass-ware The chief imports are salt, kerosene oil, piece-goods, cotton twist, molasses, sugar, corrugated iron, coal and coke from Calcutta Tobacco comes from Rangpur, cotton, chillies and betelnut from Tipperah

Important centres of trade are MYMENSINGH (population 30,480), SHERPUR (population 19,547), JAMALPUR (23,077), TANGAIL, (16,082), NETROKONA (population 10,980), KISHOREGANJ (population 15,437), BAJITPUR (11,650)

The names of other trade centres are given below with special reference to the industries pursued there—

SUBARNAKHALI (on the Jamuna and connected with Jamalpur and Nasirabad—jute centre), BHAIRAB BAZAR (on the Meghna—miscellaneous business centre), DUTT'S BAZAR (jute), KATHIADI (sugar and jute), KARIMGANJ (jute), NILGANJ (fish, jute), GOURIPUR (rice and jute), SARISHABARI (jute), NIKLIDAMPARA (jute).

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Division. Two small fairs are held in two places of the sub-division only for a day or two. One fair is held on the 1st and 2nd of Magh at CHANDIPUR (Feni P. S.) on the compound of Dewan Shah's Dargah. This is more or less of a religious character. One fair held at BASURA (P. S. Parashuram) on the 2nd of Baishakh every year in the compound of an old Temple. This is also of a religious character.

There are very few market places where bazar is found to be held daily. In important market places (viz at Feni, Lemua, Daganbhuyan, Sonagazi, Fulgazi, Rajapur, and Munshihat etc.) there are permanent shops selling different articles excepting fresh vegetables and fish or meat etc. On hat days fresh fish, dry fish, meat and beef etc. are sold by temporary shop keepers in those places. Hat is held twice a week in almost all the market places of Feni subdivision. Cattle markets are attached to those hats and are held on the hat days. There is no big business of any nature in this subdivision. There is no jute godown or mart in any of the market places of the subdivision. Rice and paddy are imported some times from Rangoon and Akyab. Local products are sometimes exported to Comilla and other places close by.

ISLAND CIRCLE—Paddy is the chief crop of the Island circle. It is grown so abundantly that some portion of it is exported elsewhere.

Next in importance comes coconut, betel and betel leaves. These are exported to Chittagong, Chandpur, Bharab, Mymensingh, Narayanganj, Dacca, Pabna, Rajshahi and other places by means of boat.

Cotton weaving is one of the Industries of the Island. The handloom industry was limited to weaving, Chaddar, Duma, ordinary Sari, Gamcha etc. on primitive looms but since the opening of the Govt peripatetic weaving school here, weaving of fly shuttle loom and varieties of designs have been introduced among the weaving classes and other people as well.

Ordinary women folk make mats from the leaves of a plant called Hugla Pata extensively.

A Government coir weaving party held demonstration for 6 months at Sandwip and trained some boys who are now trying to take up the profession. Punnal oil is still extracted from Punnal fruit on large scale and is transported to Dacca, Chittagong etc. Soap is made out of it. There are 2 soap factories in South Hatiya and 3 at Sandwip.

The chief centres for this oil is Modanhat, Mighthanga, Bhuarhat, Choudhury's hat, Neamasti in P. S. Sandup, Char Iswar Ray, Nalchira in Hatiya.

Once so famous carpenters are no longer in existence.

LAKSHMIPUR CIRCLE—The circle imports rice and does not export it. Important trade centres are Raipur and Lakshmipur. Industries Department of the Govt of Bengal sent out a coirweaving demonstration party at Lakshmipur for training of local people in coir weaving. The industry has great possibilities in Lakshmipur thana abounding in cocoanuts.

SADAR CIRCLE—The chief centre of cotton weaving is Harnarayanpur in P. S. Sudharam, where towels, Sunnis, ordinary saris, table cloths and coarse chaddars are locally prepared and exported to Comilla and Chandpur.

Important centres of trade are NOAKHALI (population 13,063) and FENI (population 10,875).

Besides being the most important Railway Station in the District, CHAUMUHANI in Begumganj P. S. is a well known centre of trade and Commerce.

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Numerous fairs at religious festivals are held at NABADWIP (Feb and Nov.), at SANTIPUR (in Nov.), at KULIA (in Jan) and at GHOSPARA (in March). A fair is held at Ballavpur in the 2nd week of January.

NOAKHALI DISTRICT.

The Noakhali district (1,591 sq miles) contains a tract of mainland together with a large number of islands (Sandwip and Hatiya) in the mouth of the Meghna. The climate of the district is on the whole moderate and humidity is very high. The average rainfall is heavy, reaching about 120". The population is 1,706,652.

The soil is a rich alluvial loam which is inundated, and receives silt from the Meghna (the Ganges and the Brahmaputra estuary). About 25 per cent. of the lands yields two crops annually and cultivation is gradually extending in the newly formed island. Buffaloes, sheep and cattle are plentiful and find abundant pasture.

The chief centres of cotton, weaving are FENI, CHHAGALNAIYA, PARASURAM, BEGUMGANJ, FATEHPUR, LAKHIPUR and CHANDRAGANJ. Coarse and fine yarns locally spun are available in the markets of FENI, CHHAGALNAIYA, PARASURAM and SONAGAZI and are exported outside the district. Check, chintzes, dhuties are woven, mosquito-nets are made at CHAUDMUHANI and MOYNAMATI, the latter place being famous for its jamsaries and loongies. Sitalpatis, chiknis and chatas are made at MATABI, FAZIPUR, PARASURAM and CHHAGALNAIYA both for export and local use. Kapahis spun jute for gunny bags, etc. Other industries are cutlery, scissors, knives, etc., at DATTA PARA (with horn handles).

The SWARUPUR and GOPALPUR carpenters known for their workmanship and SANDWIP carpenters fashion elaborately carved bedsteads favoured by better class villagers. A kind of oil called Punnal Oil, is extracted from Punnal fruit growing in the island of SANDWIP. The chief centres for it are SANDWIP, MADARHAT, MATTEBHANGA, BHUAI RHAT, and CHOWDHURI'S HAT. The oil, which was formerly used for burning, is now utilised for making soaps. It is exported to Dacca, Chittagong and Hatiya Island. The oil-cakes are used for fuel and also for making tikkas for smoking. The yield of coconut in this district is fairly large. Coir-making industry has great possibilities, particularly in Sandwip and Hatiya, abounding in coconuts. There are two soap factories in South Hatiya and one at village AMANULLA in Sandwip, manufacturing washing soaps from coconut and punnal oil. Sufficient quantities of hides are available in the chars. Rugs made of Cawnpore and local wool combined appear to be really good while ordinary blankets and prayer seats made of pure local wool have already won a reputation.

Feni Circle—Dhara (or Kholpa) making industry is carried on in the different places of Feni viz at Fazilpur, Motavi, Sarisadi and Parashuram etc., on a pretty large scale. This is a very important industry. Dhara are generally made from the pith of bamboos and are exported to Akyab, Calcutta and Kustha etc., in large numbers. Umbrella making industry is also an important industry started by some local people at Feni quite recently. The industry is flourishing and has great possibilities. The chief centre is Feni town.

Khaddar weaving industry is also carried on at different weaving centres for local use and export.

Cattle markets at PANCHGASIA, MUNSHIRHAT, SONAGAZI, FULGAZI, LENUA and BAKHTERMUNSHI are held twice a week. One industrial and agricultural exhibition is held in winter every year in the Feni town. No important fairs are held in the FENI Sub

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then sent down to Calcutta. It is therefore a great centre of jute trade and jute baling industry and has several warehouses. Other articles of trade are kala, peas, masuri, gram, wheat, mustard seed, mas kala, etc. Goods are transported by train, by steamers and also by country boats. The surrounding country is of plain level surface and is fertile. Health of the town is fair.

The chief exports are jute, pulses, mustard. The imports are piecegoods, salt and kerosene oil, rice and tobacco.

Important trade centres are PABNA, SERAJGANJ, BERA, ULLAPARA, DHAPARI and PANGASI. Goods are carried chiefly by country boats or steamers by the Sunderbans or from Kushtia or via Goalundo by E B Rly, which touches at Sara and goes up to Serajganj. There are only 34 miles of metalled roads and 691 miles of unmetalled roads in the district.

Important fairs are.—Lahiry Mohanpur, Ullapara, Middle of Sravan, 1 month, Angaru, Ullapara, every Saturday in the month of Baisak; Bhuyagathi, Raiganj, Asthami Mela, Basanti Astami day, Pabna, January. (Industrial & Agricultural), Chack Kaur, Gurudaspur, In April, 15 or 20 days; Aiankola, Sara, October, 1 month. Cattle; Debottar, Atghoria, 1 month, Cows only, Kashinathpur, Santhia, Thursdays, Cattle, Santhia river side, Baruni Mela, 1 month, Karanja, Santhia, First week of May, 15 days, Cattle, Ullapara, Delwarganj Mela, 1st Poush, 4 months.

RAJSHAHI DISTRICT.

The district comprises an area of 2,234 sq miles and is peopled by 1,480,229 persons. The climate is not good and the average annual rainfall is about 58"

Winter rice is grown in the Barind but in the grey sandy soil of the Gangetic plain a variety of crops are grown. The chief crops are rice, wheat, various pulses, oil seeds, barley, oats, tobacco, sugarcane and maize, jute is also cultivated. Betel leaf and mulberry are also grown.

Brass and bell-metal wares are made at KALAM in the Natore sub-division, while brass, bell-metal and bharon utensils are made at BUDHPARA. Bell-metal thalis (plates) and cups, bharon tumblers, and brass pitchers, big pots (handis) and pans, etc of different shapes and sizes are made. The total yearly output of brass and bell-metal wares in this district is nearly 3,330 mds. valued at about Rs 3,50,000 to Rs 4,00,000.

Matka chaddars, thans of 10 yds. in length, and dhutis, and saris with red silk borders are made from yarns from Malda. Blankets are made in KESHABPUR-VERIPARA (village) from sheep's wool imported from Bhagalpur, Calcutta and other places. Woollen blankets are also manufactured on a small scale at Rajshahi town from the country sheep wool.

Cotton weaving is carried on in many of the small villages. Tanning and shoemaking is done at SHIPAI PARA (Sadar Sub-division) and LALPUR (Natore sub-division). Other industries of the district include the making of steel trunks, suitcases, boxes, etc, from raw materials imported from Calcutta; cane and bamboo work, tile-making and making of earthenware pots, plates, etc, and gur making which is done all over the district.

The exports are jute, rice, pulses, silk, ganja, etc (from Naogaon). Principal marts are SULTANGANJ, GODAGARI, RAMPUR-BOALIA and CHARGEAT on the Padma, CHANGDU PAUL and GURUDASPUR on the Baral, KALIGANJ on Chalan Bil; PROSADPUR on the Atrai; NAOGAON on the Jamuna; DUBALHATI, NATORE, etc. LAKSEMAN-

Manures & their application a useful handbook for all amateur gardeners. Industry Book Dept., Shambazar, Calcutta. Price 4 as.

The chief exports are rice, betelnuts, coconuts, linseed, chillies, onions, hides and eggs and small quantities of ghee. The principal imports are piece-goods, salt, kerosene oil, mustard oil, tobacco, sugar, gur, cotton yarn, brass and bell-metal ware, hill bamboos, chinaware and betel leaves. Noakhali is one of the largest rice producing districts and about a quarter of a million tons is exported every year from this district. The eastern portion is traversed by the A. B. Rly. There are important ferries and river connections.

PABNA DISTRICT.

The district (1,818 sq miles) has a population of 14,445,479. The climate of the district is very equable and the annual rainfall averages 61".

The soil of the district is annually enriched by silt brought down by the two rivers, the Padma and the Brahmaputra and is therefore extremely fertile for all classes of crops. The major portion of the cultivated lands yields two crops a year.

One-third of the total area under cultivation is cropped more than once. Plots near the homesteads are grown with vegetables and melons. The char lands give rich crops. The more sandy soils are best adapted for gram and millet and coash for jute, sunn hemp and paddy. Even the unculturable waste in the chars forms profitable sources of income in the shape of jhao jungle which yields fuel. Grass from the jungle is in great demand for feeding cattle during the rainy season. The stiff soil yields besides paddy variety of crops including sugarcane, turmeric, pan and patal.

Cotton weaving is the most important of all cottage industries in this district, being carried on more or less throughout the district. The probable number of hand-looms will be 10,000 of which the number of fly-shuttle looms, will be about 3,000. Roughly stated, yarn both grey and coloured to the value of Rs 50 lakhs is consumed early in the district for the manufacture of cotton fabric. The yarn, which is mostly English and sometimes Japanese, is procured from Calcutta and sometimes from Kushtia (Nadia). Cotton fabrics to the value of approximately Rs 80 lakhs are annually produced in this district. Great centres of trade for locally made cloths are EKADANTA, MATHURA, SUJANAGAR, DEMRA, AJGACHA, DELMARHAT, SHAHJADPUR, KOIJURI, etc., etc.

Several kinds of cotton cloth are woven at CHOTADHUL and DOGACHI, which compare favourably with the best kinds. DOGACHI, GANGARAMPUR, SADULLAPUR, TARABERIA, NISCHINTAPUR are noted for saris, dhutis and good loongies. Gamchas of Pabna are widely in demand. Fine grass and reed mats are exported. Pottery, brass and bell-metal articles, and shell bracelets are made at CHATMOHAR. There are some jute presses at BERA.

The chief industries of the district also comprise mat making and cane work in MALJPURA. Sitalpati mats are also woven here as also in the SERAJGANJ sub-division. Dyeing is carried on locally for borders of saris and dhuties in this district. In the CHATMOHAR THANA, shell bracelets are made. Paper made locally is used in the SERAJGANJ sub-division but the industry is declining. There are several factories at PABNA (population 21,904) where stockings, genzies, etc., are manufactured. Of them Silpa Sanjibani deserves special mention.

SERAJGANJ (population 32,467)—It is situated on the Jamuna (a river by the junction of the Brahmaputra and the Padma). The surrounding country produces enormous quantities of jute which are brought here by carts or by steamers and are baled and pressed and

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Sankranti, 3 days, Trimohani, in Aswin, 1 month; Buridah, during Rathajatra, 10 days. Fatehpur, in Bhadra, 3 days. Panjarbhanga, in Aswin, 1 month. Jote Bazai, in Kartik, 10 days. Thakur Manda, in Chaitra, 10 days, Ram Nabami, Bandoobi, during Rathajatra, 10 days. In NATOR Sub-division. Lolor, in May, 7 or 8 days, Kalam, 1st. Part of June, 5 days Raigaon, Alias Matajhat, in Poush, 2 months, Cattle; Shawail, in June, 10 or 15 days, Kaligonj, in February, 10 to 15 days; Pakuria, in February, 4 or 5 days, Budpara, in Kartik, 1 month; Nazipur, in June, 6 or 7 days, Halsha, in June, 6 or 7 days. Others Mantor, Rajshahi, April. (Livestock and Agri Implement). Ramkeli, Rajshahi, (Religious) Khetur, Rajshahi, Oct (Live stock & Agri. Implement).

RANGPUR DISTRICT.

The district covers an area of 3,286 sq. miles, and is inhabited by 2,595,287 persons. The rivers are the Brahmaputra, the Tista, the Dharai, the Sankos, etc. The trees of the district are shishu, mango, areca palm, jack, bamboo, plantain, bakul, nageswar, etc. The climate is not good. Average annual rainfall amounts to about 84". The district is liable to inundation.

The soil of the district (sandy loam deposited by river floods) is remarkably fertile. The principal crops are rice, jute, rape, mustard and tobacco. One-tenth of Bengal jute is produced in Rangpur. Tobacco thrives best on the sandy bank of the Tista river and has a good reputation in the outside markets. There is a tobacco experimental farm at BURIRHAT. Oilseeds and potatoes are grown generally on the chars of the Brahmaputra.

The chief industry of the district includes brass and bell-metal work at GOMNATI in the Nilphamari sub-division. Durries and gunny (made of jute and cotton) are also woven near DIMLA. Ivory carving is practised at PANGA in Lalmonirhat. Sattracha weaving industry is carried on at NESBATGANJ which comprises of four villages, e.g. Paibhatpur, Pirjabad, Damodarpur and Barabari.

The cigar making industry is in its infancy here. The products are far from satisfactory. Expert shoemakers from Allah district come and live with their families in Rangpur town and turn out about 20 pair of shoes a day, i.e. about 7,000 pair per year from leather got from Calcutta. They use both vegetable and chrome tanned leathers for uppers and Jullundhar buffalo for soles.

There are jute presses at DOMAR and SAIDPUR (a railway centre). Endi cloth is woven in small quantities at KARIPUR, SUNDARGANJ and BELKA in Gaibandha sub-division and cotton cloth, also on a very limited scale, is made at PATILAPUR and KHAMAR-KISHORPUR (Kurigram) and DIMLA in Nilphamari sub-division.

The chief exports carried entirely by rail are jute, tobacco, mustard, unrefined sugar and rice, and the imports are piece-goods, salt, kerosene oil, coal and rice. The centres of jute trade are DOMAR, DARWANI, SAIDPUR and RANGPUR town. Tobacco is sent to Burma by the Arakanese. Rice comes from the neighbouring districts, coal is brought from Burdwan.

FULBARI—It is served by the E. B. Rly. The surrounding country produces enormous quantities of paddy, rice, and jute, other articles of the trade include khesari, masur, kalai, mustard seed, gram, barley, arahar.

DOMAR—It is the centre of tobacco cultivation in the Rangpur district. Merchants from Calcutta and also from the different parts of U P come here to purchase these things and make good profits by manipulation of weight of their purchases.

SAFETY MATCHES & their Manufacture explains every aspect of the industry. INDUSTRY BOOK DEPT., Calcutta. Price Rs. 2/8.

HATI is a centre where sugar crushing mills and pans are given on hire. The chief imports are piece-goods, salt, sugar, and kerosene oil.

RAJSHAHI (population 27,064)—It is the headquarters of the district. **NATORE** (population 8,318) is reached by the E. B. Ry. The surrounding country is fertile and produces paddy, tobacco, betel, wheat, barley, maize, sugarcane, mustard seed, etc., which are brought from the interior by pack bullocks and carts and are sent away by rail. **NAOGAON** is famous for ganja cultivation which is sold under Government license.

Other places of interest are **DUBALHATI**, **PUTHIA**, **RAMPUR BOALIA** (on the Padma) which carry on a large amount of trade by steamer with Calcutta and up-country stations in jute, grains, seeds, rice, tobacco, etc. **SANTAHAR**, **DIGHAPATTA**, etc., are important trade centres. Two famous melas are held here, one at **KHETUR** in October and the other at **MONDOR** in the month of April which are largely attended, and many articles of trade are sold, including live stock and agricultural implements.

Catachen is manufactured at **CHARGHAT** and its neighbourhood. Gur made from date juice is also exported in large quantities from November to March from Charchhat P. S. and Lalpur P. S. Natore is famous for its sweets made from "Chhana" (coagulated milk). Large quantities are supplied to different districts and Calcutta. Such sweets are always available ready made or can be supplied with short notice.

MATAJIEHAT is one of the biggest hat, about 12 miles from Akkelpur Railway station or Hili Station where a large amount of inland trade in rice, grains, seeds, cattle is caused.

There is a big sugar mill, known as North Bengal Sugar Mill, at Gopalpur on E. B. Ry. Sugar cane is extensively grown in the grey sandy soil of the Gangetic places of the Padma. Sugar cane is also supplied by this district to other Sugar Mills.

Ice factory, match factory and Sugar Mill have been started at Rajshahi.

Arrangements have been made to give vocational training to students of Rajshahi College and youths in fruit canning, making of dairy products, poultry farming, etc.

The district is well served with good roads maintained by the District Board, Local Boards and Union Boards. Rajshahi town is connected with Godagari—Patna service and Goalundo ghat by steamer plying between Patna and Goalundo for goods traffic only.

The following fairs are held—In **SADAR** Sub-division, Puthia Bazar, Rathajatra, 15 days, Rostampur, July to August, 20 days, Puthamari, December, 1 month. Gopalpur, Kaloo Pir Sahib's Darga, in April, 7 days, Khetur, October, November, 6 days, Sultanganj, February, 3 days, Bagha, 10 days from the Id Festival, Narayanpur, February, 1 month, Murshipur, June-July, 15 days, Rathajatra festival, Taherpur, in Ashar, 8 days, Rathajatra festival, Bhabaniganj, in Magh, 8 days, Dhenkutala, in Baisak, 1 day, Dhanua, in Kartik, 1 day, Kali Pujah, Kamergaon, in Aswin, 1 day, Durga Pujah, Kaliganj, Middle of July, 15 days. Nahatta, End of November, 3 days. Arani, in July, 3 days. Madairpur, Muharram day, 1 day. Aira, in Chaitra, 3 or 4 days. In **NAOGAON** Sub-division, Dubalhati, in Chaitra, 3 or 4 days, Dubalhati, in Ashar, 10 days, during Rathjatra, Bahai, during Rathjatra, 10 days, Naogaon middle of Siavan, 2 months, Saigachi, in Aswin, 1 day, Durga Puja, Muradpur, in Kartik 1 day, Kartik Puja, Kashampur, in Shrawan 10 15 days. Dugapuri, during Muharram, 3 days, Jamgaon, during Poush

SAFETY MATCHES & their Manufacture explains every aspect of the industry. **INDUSTRY BOOK DEPT., Calcutta.** Price Rs. 2/8.

PANDBAN-KHANBAZAR and brassware such as kalsis, ghatis, degchis, etc are made out of imported rolled sheets and exported to the neighbouring districts. The chief centres for tanning and leather goods are COMILLA, CHANDPUR, CHANDINA and BRAHMANBERIA, and hides, to a small extent, are exported to Dacca and Calcutta, but there is no organised tannery in the district. The pottery industry which is done on a small scale has its centres at HARIPUR, BUDHANTI and BRAHMANBERIA. The process of manufacture is kept a secret. At BRAHMANBERIA there is also a tile factory.

Dry-fish is an important industry of the district. A kind of fish oil is also made from livers of fish. The oil is used for lighting earthen lamps. The Sadar and Brahmanberia sub-divisions are centres for iron and steel articles, high class cutlery and ramdaos, khaigas, fish-knives, spades, etc are manufactured by blacksmiths of MEDDA and RAM-CHANDRAPUR and by blacksmith of Sadar and Brahmanberia sub-divisions. The "House of Labourers" (a power-driven factory workshop) at Comilla manufacture high class pruning knives (used in tea gardens) and other articles on a commercial scale. It is growing into importance and undertakes steel construction work, buildings and bridges. Iron safes, on a small scale, are made at PURAN BAZAR, CHANDIPUR, and buckets and trunks at MOGNITOOLI, MONHAR-PATTI and KANDIRPAR in Comilla. On a small scale also, umbrella-making is carried on at BRAHMANBERIA and COMILLA with imported cloth and sticks, mostly supplied locally. There is a hosiery factory at COMILLA manufacturing underwears, and there is another at BRAHMANBERIA.

CHANDPUR (population 16,838) is a great mart in the district. It is connected with important places in Bengal and Assam by rails and rivers. The trade in jute and tea of this place is big.

COMILLA (population 31,365)—It is the head quarter station of the Tipperah district and is situated at a distance of about 500 miles from Calcutta, and is reached by rail and steamers. Imports into this town from the interior are betelnuts, jute and rice of which, jute and betelnuts are largely exported to Calcutta by rail and steamers. The industrial products of the town comprise fine well-polished kukkah, belun, kharam, sticks, bell-metal utensils, etc., which are exported to different parts of Bengal and fetch good prices. Goods are sent by rail, potatoes, tobacco, molasses, onions, masur dal, moong, kalai, ghee, etc. are largely brought from the United Provinces and Bihar and are readily sold. The health of the place is generally good. Cotton of Hill Tipperah and of this district is also available here.

BRAHMANBERIA (population 26,662) is a trade mart.

24-PARGANAS.

The district (2,536 sq miles) has a population of 2,714,878. The climate is moderate, the average rainfall for the district being about 64".

The land being of alluvial sandy nature of recent formation the crops grown are abundant. The chief crops are rice (about 90% of available land), pulses, maize, gram, linseed, sesamum, rape, spices, sugarcane, jute, tobacco, fodder, fruits and vegetables and others.

The imports into the district correspond to those of Calcutta which lies at the centre of the district. In general, cotton piecegoods, oils, salt, liquors, hardware, iron goods, jute, grains and pulses, live-stock, etc., are the imports through Calcutta. Fancy goods of foreign manufacture are also widely sold. The industrial areas consume liquor,

For experimented formulas for damp proofing matches consult Safety Matches and Their Manufacture. Industry Book Dept., price Rs. 2/8.

Traffic is borne by the steamers on the Brahmaputra and by E. B. Rly. There are good metalled roads.

Important centres of trade are RANGPUR (population 20,749), SAIDPUR (population 16,519), KURIGRAM (population 8,512) and GAIBANDHA (population 8,479).

Important fairs are —Madati, 2 miles from Bhotmari Rly. Stn, Madati Baisaki Mela, 1st Baisak, one month, Anantaram, 2 miles from Pirgacha Rly. Stn, Rathajatra, 1 month, Thakurbail in Mithapukur P. S., Kallidheshwari Mela, 15th Aswin, one month, Gangachara, very close to Gangachara P. S., Rash Purnima day, one month, Badaiganj, 1st Poush, one month, Baia Khata, very close to Barakhata Rly. Stn, Poush, one month. In SADAR S. D.—Laldighi, 15th Poush, one month, Bhotmari Stn, Madan Mohan Dev Mela, 5th Magh, one month, Bhendabari, 5th Magh, one month, Kholabati, Barani Snan Day, one week, Ekbatpur, Mahaganj Mela, 15th Magh, 15 days, Deuti, Maghi Mela, 15th Magh, one month, Bairati, 10th Falgun, one month; Sikerhat, Chaitra, one month, Gaddimai, 25th Chaitra, one month. In GAIBANDHA S. D.—Bamandanga, Jagadhatri Puja Day, one month, Sundariganj, Ganesh Janani Mela, 1st Aghrahan, one month, Madhupur, 1st Aghrahan, one month, Belka, 1st December, one month, Kalibari, 15th November, one month, Fulchari, Gopinath Deb Mela, 1st Poush, one month, Birat, in Chaitra, one month. In KURIGRAM S. D.—Burihat, Bidheswari Mela, 31st Aswin, 2 weeks, Hybatkha, Hybatkha Mela, Shyama Puja day, 2 weeks, Dladanga, 16th November, one month, Shubbail, 8th March, one month, Noon Khawa, Astami Snan Day, one month. In NILPHAMARI S. D.—Barabhati, 15th Aghrahan, one month, Panga, 1st Magh, one month, Darwan, 5th Falgun, one month, Tatulia, Barani Snan Day, one week.

TIPPERAH DISTRICT.

The district (2,621 sq miles) has a population of 1,600,761

The district is flat and being served by a net-work of rivers it is very fertile. The chief produce is paddy and jute. Mustard, linseed, betelnuts, betel leaves, chillies are grown. Bell-metal utensils, basket, cane-work and silal-pati are made.

COMILLA is famous for its checks and chintzes for making shirts and coats and weavers of BRAHMANBERIA and BITGARH make good patterns. The chief centres of cotton weaving are TANTIPARA, MAIJARA and BURDAIR (in Brahmanberia) and DHANTI, PIHAR, DISHABAND, BAGMARA, BUDHAR, JASHPARA, MAINAMATI, GUNJAR, KALIKAPUR, GUNABATI and JORKARAN (in Sadar Sub division).

The chief centres of the jute weaving industry are RAMMOHAN (Sadar), HOMNABAD, SHIBNAGAR, RAJMANGALPUR, MIRPUR, DHARAMNAGAR, SHIBPUR and the neighbouring villages. The hooka making industry existing from time immemorial is confined to Mohamedans. The shells are obtained from Dacca, Backerganj and Noakhali, without any husk. These are disposed of generally at Dacca, Sylhet, Brahmanberia and Assam. Nalchias are made in Comilla and its suburbs from wood obtained in Hill Tipperah forests. The chief markets for these articles are Dacca, Mymensingh, Jalpaiguri, Brahmanberia and Assam. The chief centres for articles of bamboo, cane and sola are KALIKAPUR and BURICHANG. The bamboo is obtained from Hill Tipperah and the finished products are exported through middlemen to Dacca, Narayanganj, Calcutta, Chittagong and other important places.

The chief centres for brass articles are BRAHMANBERIA, RAM CHANDRAPUR, MAIJARA, BETGARH, MOGRA, BADURGARH and

For experimented formulas for damp proofing matches consult Safety Matches and Their Manufacture Industry Book Dept, price Rs 2/6.

MARKET PLACES OF THE BOMBAY PRESIDENCY.

THE Bombay Presidency includes a long and narrow strip along the West Coast of India containing the provinces of Konkan, Khandesh, Poona and Satara. The area of the Presidency including that of the Indian States is nearly 151,953 square miles and is inhabited by 26,347,419 persons.

Soil and Climate.—The Presidency embraces a wide diversity of soil and climate, and is divided into two parts, namely Gujrat and the Deccan, by the Rann of Cutch and the Gulf of Cambay. Gujrat, aptly called "the Garden Land of India" stands first for richness of soil and density of population and is watered by many rivers, notably among them being the Narbada and the Tapti. The remaining portion of the province is divided into high and low level tracts by the ruggedness of the W Ghats, which run parallel to the W Coast for many hundreds of miles.

Crops and Produce.—The chief crops of the Presidency are wheat, cotton, gram, jowar, bajra, spices, sugar and even rice, for details of which the chapter on Agricultural Resources of India may be consulted. Rice covers 22 million acres, wheat 17 million acres, barley 19,000 acres, jowar 79 million acres, bajra 39 million acres, maize, 174,000 acres, gram 764,000 acres, groundnut 1,752,000 acres, sesamum 521,000 acres, linseed 117,000 acres, castor 92,000 acres, cotton 5,890,000 acres, sugarcane 126,000 acres, tobacco 160,000 acres, fruits and vegetables 253,000 acres and condiments 238,000 acres, etc. Fish manure and pondrottee are the chief manures. The crops are generally raised by rotation.

Area under crops during 1936-37 in the Presidency was about 35 million acres. The districts where the products are most prolific are Rice—Thana, Ratnagiri, Larkana, Kolaba, Karachi, Hyderabad, Wheat—Bijapur, Dharwar, Nasik, Ahmedabad, Ahmednagar, Cholan—Bijapur, Poona, Sholapur, Ahmednagar, Belgaum, Dharwar, Satara. Cambu—Nasik, Thar and Parkar, Ahmednagar, Bijapur, Poona, Ragi—Ratnagiri, Nasik, Kaira, Maize—Panch Mahals, Gram—Nasik, Panch Mahals, Satara, Poona, Upper Sind Frontier, Pulses—Nasik, Satara, Ahmednagar, Belgaum, Dharwar, East Khandesh, Linseed—Bijapur, Ahmednagar, Sesamum—Ahmednagar, Ahmedabad, Rape and Mustard—Upper Sind Frontier, Groundnut—East Khandesh, Satara, Sholapur. West Khandesh, Coconuts—Ratnagiri, Kanara; Castor—West Khandesh, Condiments, Spices—Dharwar, Satara, Belgaum, Cotton—Dharwar, East Khandesh, West Khandesh, Broach, Belgaum, Ahmedabad, Dyes and Tannin Materials—Ahmednagar, Sholapur, Poona, Tobacco—Kaira, Belgaum, Satara; Fodder Crops—Satara, Sholapur; Fruits and Vegetables—Poona.

Cattle.—Fonies of Bombay are hardly and celebrated. Cattle breeds of Gir, Kathiawar and Gujrat are noted and the breed is generally good. The sea-fisheries are famous and give employment to many. Fishes for food and manure are also obtainable in the rivers and tanks.

Forest Products.—The forests on the Ghats yield teak, sandalwood and other timbers. Acacia, catechu, ebony, etc., grow in abundance.

Pyrotechnic matches and Their Preparation are dealt in Safety Matches and Their Manufacture. Industry Book Dept., Calcutta. Price Rs. 2/8.

ganja, etc., to a remarkable degree. The chief articles exported are rice, jute, manufactured articles of jute, sugar, etc., etc

Important centres of trade are BUDGE-BUDGE (population 24,183), BARANAGAR (population 27,050), KANARHATI (population 30,331), TITAGARH (population 49,584), GAJULIA (population 14,033), PANIHATI (population 11,699), NAIHATI (population 30,903), HALI SAHAR (population 16,770), BHATPARA (population 84,975), KANCHRAPARA (population 15,005), BASIRHAT (population 21,287), BARRACKPORE (population 30,600 and CANTT. 10982), and BADURIA (population 15,005).

There are numerous factories round about Calcutta, specially the jute factories on the banks of the Hooghly. Famous jute factories are situated at BELGHARIA, AGARPARA, SODEPUR, ISHAPUR, KANKI-NARA, etc., which are now thickly populated. Among other works, silk flature and mill, tanneries, bone mills, saw mills, tea chest factories may be mentioned, spinning and weaving, jute presses, rope and ply-wood factories, iron foundries, glass factories, brick, tile and fire brick factories, oil mills, soap and candle factories, lac and cutch factories, chemical and drug works, biscuit factories, ice mills, etc

The chief centres of hand-loom weaving are PUNNA-BADURIA and BARASET. Mosquito curtains are woven at BARASET and napkin, checked cloth for mosquito curtains and quilts are made in LKBALPORE. The embroidery industry is carried on in BARASET and HALISAHAR. Ropes are made from sunn-hemp and jute at BHABANIPUR in Barrackpore and sold locally. TILJALA, near Calcutta, is the most important centre for tanning. Other centres are MOLLAHAT in Tollgunge, SHAHAPUR, DURGAPUR, GOPALPUR and TANGRA. Leather suitcases and attache cases are made in NORTH DUM-DUM in Barrackpore. Matches, glass, gramophone records, aluminium wares, etc. are manufactured in SOUTH DUM-DUM and the articles are disposed of in Calcutta. The famous brass locks of NATAGORE have suffered from foreign competition. The industry also is dying out in SENLI UNION and NIMTA (Barrackpore). Padlocks are also made at DULLA, KHAMARPARA, BARANAGORE and DUTTAPUKUR (Baraset) and the products are sold locally and in Calcutta. Basket making, as a part time industry continues in NARAYANPUR and BALLY (Barrackpore) and the products have a local demand.

Brass utensils are made in Diamond Harbour Subdivision and there is one ice factory at Hasanabad.

ALIPUR—It is the headquarters of the district and constitutes the southern end of Calcutta. There are Civil and Criminal Courts here. The place is famous for its Zoological Gardens and jails.

DUM DUM—A growing industrial town in the District. The place is noted for the aerodrome where foreign mails are received. There are iron workshops, aluminium factory, gramophone factory, cardboard making factory, match making factories, rope factories and glass factories in the town. One company has shown commendable enterprise by making various medicines from venom extracted from snakes.

The district is well served by railways, good roads and boat, steamer and motor bus services.

Important fairs in the district are —
Saugor, Saugor Islands, Poush Sankranti, Bikanda, Agricultural and Industrial Exhibition, at the end of February, Sodepur, 24 Parganas, December, Agricultural.

Pyrotechnic matches and Their Preparation are dealt in Safety Matches and Their Manufacture. Industry Book Dept., Calcutta. Price Rs. 2/8.

The bulletin suggests two alternative sites for starting the industry near Bombay. One is at Kalyan and the other, the open ground close by the Chola Power Station, near Thakurli. The bulletin works out the cost of production of raw aluminium at about Rs. 866 to Rs. 978 a ton and the cost of the finished product is estimated at Rs. 1,047 to Rs. 1,153, figures which are substantially less than the cost of imported aluminium.

Factories and Operatives:—During 1935 the number of factories subject to the control of the Factories Act increased by 52 per cent, from 1,900 to 1,999, chiefly as a result of increased industrial activity in Bombay, Ahmedabad and Sind.

The number of operatives employed in all industries increased by 11.9 per cent, from 375,833 to 420,716, largely owing to increased employment in the Bombay textile industry. Increases were also noted in the engineering industry, the dyeing and bleaching industry, the match industry and the cotton ginning and pressing industry.

It is reliably understood that the Government of Bombay have passed orders for the issue of notice extending the Indian Factories Act to premises employing ten or more workers where manufacturing process is carried on with or without the aid of power. It is also understood that similar notifications are being issued applying various provisions of the Payment of Wages Act to industrial establishments which may be declared as factories under section 5 of the Factories Act. It is further understood that the provisions of the Bombay Maternity Benefit Act are going to be extended to Ahmedabad, Poona, Bijapur, and Kolaba districts in the Presidency.

Sanitation and Ventilation:—The disposal of trade waste created an important sanitary problem in connection with the rapid industrial development of Ahmedabad. Comprehensive schemes are obviously necessary, and it is hoped that the problem will be tackled and satisfactorily solved without much further delay. The extension of the drainage scheme in the north of Bombay will ultimately lead to better sanitary arrangements in the factories in that locality.

Section 16 of the new Factories Act, 1934, dealing with the condition of air in factories, marked a new departure in Indian factory legislation. In particular, live steam for humidification purposes has been banned after a temperature of 85° Fahrenheit, has been reached. Experiments in air conditioning in the Ahmedabad and Sholapur districts have considerably improved the conditions under which operatives work, and have also benefited technical processes. In the textile industry in Bombay, and in other factories, ventilation has also been improved by air conditioning and other methods.

Employment of Women and Children: The number of children employed in 1935 was 1,941, and the number of women 70,235, as against 2,147 children and 65,943, women in 1934. The number of children employed touched a new low level, and though more women obtained employment, owing to increased activity, the Maternity Benefit Act appeared to have a restricting influence on their employment, particularly in Ahmedabad.

Trade:—The articles of internal trade are cotton, grain, metals and cotton goods. The Distribution of articles of trade is generally made through fairs held in connection with pilgrimages and in temporary and weekly bazars. Rice, coconut, salt, cotton, timber and piecegoods are the main articles in coasting trade. Raw cotton, grain, pulses, seeds, hides and opium are the chief exports. The imports are piecegoods, metals, machinery, sugar, oil, silk and woollen goods.

HAND SPINNING & WEAVING: Contains Detailed Methods. As. 4.
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while coconut palms, palmyras, betelnut palms, date palms occur plentifully. Various fruit trees, e.g. mango, jack tree and ber, myrobalans, mahua, karani, etc., are found in the province.

Minerals:—Building stone and salt are the principal minerals. Porbandar and Dharangadhia contain best stone. Gold and gold dust were formerly found in Dharwar. Agates are found in the Deccan and Gujarat.

Handicrafts:—Every district carries on hand-loom weaving in spite of competition from machine-made varieties. Saries and turbans are the main varieties. There are about 2 lakhs of weavers in Poona, Nasik, Dhawai, Belgaum and Sholapur districts. Dyeing is carried on in Gujrat, Kathiawar and in the Maratha districts. Silk is also woven in Surat, Ahmedabad, Yeola, Nasik and Thana districts. Country blankets come from the Deccan and Karnatic. Preparation and production of sunn hemp are carried on. There are many goldsmiths. Spearheads of Ahmedabad and knives of Amod are celebrated, glass making, lac industry, ivory and tortoise shell work are done at Bombay and in Gujrat. Wood carving is done at Ahmedabad, Surat and Kanara. Sugar and gur are made wherever cane is grown. Real gold thread industry is carried on in Surat, Bombay, Ahmedabad, Poona and Yeola. Salt is made at Khaigoda and Udu and is known as Baragara salt. Other important handicrafts of this Presidency are—carpet weaving, calico printing, embroidery, kinkhabas, pottery, jewellery, stone work, brass and copper, metal work, etc. Artisans are spread all over the Presidency, the chief centres of work being BOMBAY, AHMEDABAD, SURAT, BROACH, POONA, NASIK, YEOLA, GOKAK, HYDERABAD, TATTA, HALA, BUBAK, KASHMORA, KIANOT, SHIKARPUR, SAWANTWADI, HONAVAR and KUMPTA.

Major Industries—Cotton industry is the principal industry of the Bombay Presidency. It is an old-established industry, carried on mainly under Indian management with Indian capital. The most important centre of production is Bombay city and Island. The second centre of the industry is Ahmedabad. The other centres include Sholapur, Surat, Broach and Jalgaon. There are altogether 195 cotton mills in the Presidency fitted with 60.9 lakhs of spindles and 1.4 lakhs of looms. Silk and wool are also manufactured in Bombay.

There are match factories situated in the neighbourhood of SANTA CRUZ, GHODBUNDER, KURLA and THANA. Cigarette manufacture has made considerable headway in the presidency. Among other new types of factories may be mentioned refining and smelting of non-ferrous alloys, bakelite materials, electric fans, razor blades, slates, pins and needles, dry cells, fire works, brushes, soap, glass, chemicals, casein, pottery, handmade paper, paints, tallow substitute, carbon paper, clips, etc. There are a number of factories for tanning hides and skins.

The Department of Industries, Bombay, has published an interesting bulletin dealing with the possibility of producing aluminium in Bombay. The bulletin, in explaining the value of aluminium and its various uses, points out that a recent development is the employment of the metal in the production of furniture and cans. It has been found that aluminium containers for the preservation of fruits, and especially for the preservation of fish and similar commodities, are more efficient than the old tinplate cans.

Most of the aluminium imported into India comes in the form of aluminium circles and sheets which are used in the manufacture of utensils and hollow ware. Large quantities of the metal are imported into this country. The Department of Industries is making investigations regarding manufacture of aluminium from bauxite.

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villages would have to be located on side roads away from arterial roads.

COASTING AND FOREIGN TRADE OF THE PRESIDENCY.

The figures of coasting and foreign trade of the Presidency excluding Sind follow:—

| | Coasting. | | | Foreign. | | |
|-------------|-----------------------|---------|---------|-----------------------|---------|---------|
| | 1934-35 | 1935-36 | 1936-37 | 1934-35 | 1935-36 | 1936-37 |
| | (in lakhs of rupees). | | | (in lakhs of rupees). | | |
| Imports | | | | | | |
| Merchandise | 24.21 | 21.94 | 23.29 | 53.70 | 54.53 | 49.33 |
| Treasure | 33 | 24 | 11 | 4.49 | 6.79 | 12.99 |
| Exports | | | | | | |
| Merchandise | | | | | | |
| (including | | | | | | |
| Re-export) | 25.33 | 26.08 | 27.03 | 32.46 | 33.18 | 44.45 |
| Treasure | — | 3 | 7 | 57.65 | 44.22 | 29.47 |

BOMBAY.

BOMBAY, situated on an island in a bay, lies at the base of the Western Ghats. It is the second city in the Indian Empire and owes its wealth, size and importance to its magnificent harbour and its position as the nearest Indian port to Europe except Karachi. Bombay is connected by railway with every part of India. It is not only a great port but a great industrial centre also. It is about 1,400 miles away from Calcutta and about 800 miles from Madras.

As regards overseas trade, Bombay is connected by regular passenger and cargo services with Europe, Australia, East and South Africa, China, Japan and America and is also an important link in the transshipment trade between these countries and the sea-ports of Arabia and Mesopotamia. The trans-oceanic trade of Bombay has a valuable complement in the numerous steamer and sailing services plying along the Western coast. Bombay is the headquarters of these coasting services and of others which make a periodical round of the coastal ports between Bombay, Calcutta and Rangoon. Bombay is also the centre for the important pilgrim traffic between India and the Hedjaz—from 15 to 20 ships annually sail from Bombay with pilgrims during the season.

Bombay is a city which combines the textile specialisation of Manchester (without its imposing array of diverse modern industry) with the commercial and shipping characteristics of Liverpool. The prosperity of Bombay rests upon two foundations (1) the power of its cotton mills to supply the cloth that India wants and to withstand competition from rivals in India and outside it and (2) the maintenance of the import and export trade. The last ten years have shown that in both respects Bombay is more than vulnerable.

The Port of Bombay, which is a major port, is now under the direct supervision of the Government of India.

Area and Population:—The total area of the Bombay island was 15,480 acres in 1931 compared with 15,066 acres in 1921. The increase is due to the Back Bay reclamation. The population of Bombay in 1921 was 1,175,914. The population enumerated in the present census is 1,161,383 a decrease of 14,531. Of the total population 68 per cent. are Hindu, 18 per cent. Mohammedan, 1 per cent. Jain, 5 per cent. Zoroastrian, 7 per cent. Christian and 1 per cent. others.

Occupation:—The chief sources of occupation of the city population are (1) industry, which employs 31 per cent. of the workers, (2) trade, which employs 16 per cent., (3) unspecified occupations (which are

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Budget 1937-38.—Congress Ministry's first Budget estimates were as follows.

Revenue Receipts Rs. 12,00 lakhs, Revenue Expenditure Rs 12,17 lakhs, Deficit Rs 17½ lakhs, Capital and Debts heads receipts Rs 14,18 lakhs, Capital and debts heads disbursements Rs 14,54 lakhs, Capital debt heads deficit Rs 35½ lakhs, Closing balances Rs 53 lakhs.

The Bombay Government have decided that, while their more comprehensive measures of social welfare and the financial measures necessary to enable them to be carried out, must wait till next year, a start must be made immediately with the help of last year's surplus.

A provision of Rs 10 lakhs has accordingly been made for the improvement of water-supply in rural areas, and a provision of Rs 1½ lakhs for the development of village industries. The Government have also decided that the arrears of land revenue more than one year old, i.e. pertaining to the revenue years other than 1936-37, should as a special case this year, be remitted. It has been estimated that this will affect land revenue receipts to the extent of Rupees 5 lakhs this year and Rs 5 lakhs next year. Though the sacrifice is great, the very fact that these are more than two years' arrears proves extreme hardship on the part of the defaulters, and as such the remission was deserving.

Among other measures decided by the Government are the permanent reduction of land revenue assessments in certain areas (Rs 5 lakhs), a change in excise policy as a beginning in the policy of prohibition (Rs 2 lakhs), the abolition of grazing fees (Rs. 5 lakhs) and the provision of Rs. 40,000 as a further grant during the remaining months of this year for the education of the depressed classes.

All the above items involve a recurrent reduction of receipts or increase of expenditure, and in order to meet them the Government have ordered a cut in several heads of expenditure to the extent of roughly Rs. 10 lakhs. Some of the cut will operate on contingent expenditure and on allowances to officers drawing more than Rs 75 per mensem. It would have been welcome if the limit was fixed at Rs 100.

Transport.—The chief railways serving the province are G.P., B.B. & C.I. and Southern Marhatta. There are several small tramway systems. The British India line of steamers ply between Karachi, Persian Gulf and Mangalore and the British India Steam Company serves the ports between Mangalore and Bombay generally. The length of railway lines in the Presidency is about 5,500 miles.

All the important towns and cities are connected by motor bus service with the interior villages for carrying passengers. The motor lorries carry a good amount of goods now-a-days in big cities.

Road Development in Bombay.—Since the commencement of the allocation of a portion of the present petrol tax by the Government of India to Provincial Governments, the Government of Bombay has received Rs. 1,18,11,864 as its share for Bombay and Sind. Twenty-five per cent of this amount has gone to Sind, so that the receipts for the Presidency work out at Rs 88,58,889. Of this Rs 46,97,327 has already been spent. Thus year (1936-37) it is anticipated that Rs 17,80,000 will be received from the Government of India and provision of Rs 29,20,000 has been made in the current year's budget for works and repairs to be financed from the petrol tax fund. Of this amount only Rs 45,000 is for repairs.

The introduction of a Bill to control "ribbon development" on the main roads in the Presidency, the Bill to provide for the prohibition of building operations within 220 ft of the middle of main roads and for the requisition of property for this purpose is under contemplation. New

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Among the minor imports may be mentioned (the figures within the brackets standing for the value of imports during 1936-37 in lakhs of rupees)—belting for machinery (19), grain, pulse and flour (18), raw wool (16), earthenware and porcelain (15), tobacco (15), toys and requisites for games (14), gums and resins (14), bobbins (13), tea (12), arms, ammunition, etc (12), animal, living (12), sugar (6).

Exports:—The chief exports of Indian produce and manufactures from Bombay during the last few years follow:—

| | 1932-33 | 1933-34 | 1934-35 | 1935-36 | 1936-37 |
|----------------------------|--------------|--------------|----------------------|--------------|--------------|
| | | | (in lakhs of rupees) | | |
| Cotton, raw | 12,26 | 14,29 | 19,01 | 17,13 | 22,31 |
| Seeds | 3,07 | 4,60 | 3,23 | 3,02 | 4,99 |
| Cotton Goods | 1,06 | 85 | 99 | 1,22 | 1,54 |
| Oilcakes | 96 | 89 | 95 | 73 | 93 |
| Tent | — | — | 63 | 64 | 81 |
| Grain, pulse & flour | 69 | 61 | 64 | 73 | 78 |
| Wool, raw | 46 | 83 | 40 | 70 | 77 |
| Seeds | 9 | 29 | 31 | 55 | 63 |
| Hides & Skins, raw | 21 | 39 | 46 | 56 | 51 |
| Cotton yarn | 75 | 79 | 59 | 44 | 54 |
| Leather | 27 | 35 | 26 | 31 | 40 |
| Oils | 37 | 35 | 29 | 34 | 39 |
| Haberdashery | 25 | 21 | 33 | 28 | 33 |
| Metals and ores | 12 | 20 | 20 | 19 | 31 |
| Starch | 24 | 23 | 27 | 27 | 29 |
| Bristles | 11 | 15 | 21 | 20 | 27 |
| Cycle & Parts | 22 | 26 | 25 | 33 | 26 |
| Gums and Resins | 10 | 13 | 14 | 17 | 25 |
| Tobacco | 18 | 21 | 22 | 23 | 21 |
| Myrobalans | 29 | 34 | 26 | 27 | 18 |
| Spices | 21 | 16 | 16 | 14 | 15 |
| Fruits, etc | 13 | 13 | 11 | 13 | 14 |
| Jewellery | — | — | 1 | — | 13 |
| Manures | 2 | 3 | 4 | 6 | 11 |
| Wool manufactures | 9 | 8 | 9 | 10 | 10 |
| Dyeing & tannin substances | | | | | |
| excepting myrobalan | 8 | 9 | 9 | 8 | 10 |
| Wood & Timber | 6 | 9 | 9 | 8 | 9 |
| Hemp, raw | 9 | 12 | 12 | 17 | 8 |
| Provisions | 9 | 8 | 8 | 8 | 8 |
| TOTAL | 23,17 | 27,34 | 30,50 | 30,30 | 39,34 |

REVIEW OF TRADE OF BOMBAY.

The following extracts from the Report on the Sea-borne Trade of the Bombay Presidency, excluding Sind, for the official year ending 31st March, 1937, are published for general information.—

Steady progress was made during the year under report towards a return of general trading conditions. Recovery was most marked in exports which increased considerably due to greater industrial activities in foreign manufacturing countries. There was a general rise in the prices of agricultural commodities whereas the prices of goods of Indian manufacture declined. The hope expressed in last year's report that European and American manufactures would enter the Indian market on a larger scale than has been the case in recent years was not fulfilled owing to the higher prices of such goods and the Japanese competition.

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mostly general undefined labour), which employ 22 per cent. and (4) transport, which employs 9 per cent. Thus, about one in every three of Bombay's workers is employed in industrial occupations of one kind or another

Among industries, textile manufacture is the only important large scale industry in the city and employs about two out of every three persons employed in industry. The second most important contributor to the industrial total is industry connected with dress and toilet

FOREIGN TRADE OF BOMBAY.

The annual value of Bombay's foreign trade carried on sea during the period ending 31st March 1936 will appear from the table given below —

Imports.—The chief imports into the port of Bombay are —

| | 1932-33 | 1933-34 | 1934-35 | 1935-36 | 1936 37 |
|------------------------------------|----------------------|--------------|--------------|--------------|--------------|
| | (in lakhs of rupees) | | | | |
| Cotton, Raw | 7.04 | 3.42 | 5.01 | 6.36 | 5.40 |
| Cotton goods | 6.49 | 4.97 | 5.55 | 4.93 | 4.36 |
| Machinery | 3.67 | 4.22 | 4.27 | 4.00 | 3.55 |
| Artificial Silk | 2.77 | 1.95 | 2.59 | 2.38 | 3.02 |
| Metals and ores | 3.43 | 3.10 | 3.61 | 3.59 | 2.59 |
| Motor Cars, etc. | 1.19 | 1.69 | 2.59 | 2.46 | 2.51 |
| Dyeing & tannin substances | 1.66 | 1.65 | 2.13 | 2.37 | 2.07 |
| Instrument | 1.40 | 1.60 | 1.90 | 2.02 | 2.00 |
| Oils | 2.89 | 2.07 | 2.34 | 2.35 | 1.92 |
| Silk Goods | 2.56 | 2.42 | 2.29 | 1.76 | 1.46 |
| Cotton twist and yarn | 1.65 | 87 | 1.37 | 1.68 | 1.25 |
| Paper | 1.10 | 96 | 99 | 1.08 | 96 |
| Woollen Goods | 79 | 86 | 1.37 | 96 | 96 |
| Hardware | 1.01 | 95 | 1.00 | 99 | 87 |
| Drugs & Medicines | 74 | 75 | 76 | 87 | 80 |
| Liquor | 69 | 72 | 74 | 77 | 73 |
| Rubber | 72 | 66 | 75 | 77 | 76 |
| Fruits & Vegetables | 70 | 56 | 74 | 69 | 75 |
| Chemicals | 76 | 69 | 82 | 90 | 72 |
| Precious Stones | 40 | 46 | 31 | 28 | 67 |
| Provisions | 69 | 60 | 62 | 66 | 66 |
| Spices | 61 | 54 | 46 | 67 | 66 |
| Glass & Glassware | 70 | 55 | 59 | 55 | 50 |
| Silk, Raw | 83 | 49 | 40 | 35 | 37 |
| Paints | 32 | 34 | 34 | 34 | 31 |
| Leather | 33 | 29 | 34 | 34 | 29 |
| Books | 19 | 20 | 22 | 22 | 26 |
| Apparel | 40 | 39 | 39 | 27 | 26 |
| Tallow | 19 | 15 | 17 | 22 | 24 |
| Clocks & Watches | 6 | 8 | 7 | 8 | 24 |
| Stationery | 23 | 20 | 24 | 25 | 23 |
| Toilet Requisite | 19 | 19 | 22 | 24 | 23 |
| Carriages & Wagons | 15 | 11 | 19 | 40 | 22 |
| Wood & Timber | 27 | 28 | 26 | 21 | 22 |
| Building and Engineering Materials | 21 | 15 | 17 | 23 | 20 |
| Stationery | 23 | 20 | 24 | 25 | 33 |
| Sugar | 1.16 | 1.00 | 81 | 83 | 6 |
| TOTAL | 54.30 | 46.16 | 53.67 | 54.48 | 49.24 |

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leather and hides and skins tanned and bristles chiefly to the United Kingdom and gums and resins—other sorts to Germany and the Netherlands. Exports of hemp raw and myrobalans, on the other hand, recorded decreases

Coasting trade.—The total value of the private coasting trade excluding treasure of the Presidency increased from Rs 47 84 crores to Rs. 50 16 crores or by nearly 5 per cent. both imports and exports sharing in the increase. Imports rose from Rs 21 86 crores to Rs 23 2 crores owing mainly to large arrivals of raw cotton from Kathiawar, Goa and British ports within the province and rice from Burma. Imports of foreign sugar however were less by Rs. 39 91 lakhs. Exports increased from Rs 25 98 crores to Rs. 26 96 crores chiefly as a result of larger shipments of cotton piecegoods to Burma and Sind, of raw cotton to British ports within the Province and of carriages and cars, etc. to Bengal.

Prices.—The average prices of the most important commodities of imports except kerosene oil, cotton grey goods and woollen piecegoods were higher than those in the previous year. On the export side while there was a decline in the average prices of cotton seed, til or gingelly seed and cotton grey and coloured piecegoods, there was an improvement in those of the other oil seeds, rice and wool raw.

Distribution.—The British Empire accounted for 37 62 per cent of the total foreign private trade, the share of the United Kingdom increased from 24 1 to 26 25 per cent and that of Japan from 25 85 to 29 04 per cent. The shares of Germany and the United States of America, however, decreased from 8 36 to 7 71 per cent and from 6 64 to 6 13 per cent, respectively.

The entrepot trade of Bombay improved from Rs 2 38 crores to Rs. 2 67 crores during 1935-36. An increase of Rs. 29 lakhs is mainly due to larger shipments of hides and skins raw, spices and metals and ores.

SUBORDINATE PORTS OF THE BOMBAY PRESIDY.

The foreign trade of the subordinate ports is comparatively insignificant. Imports which consisted chiefly of dried fruits (cashew nuts) from Portuguese East Africa, rice from Siam and dates from Iraq increased further from Rs 3,47,454 to Rs. 4,96,334. Exports mainly representing cashew kernel to the United States of America, decreased from Rs. 52,14,013 to Rs 14,96,388.

Total value of the coasting trade of the subordinate ports increased from Rs. 5 92 crores to Rs 6 8 crores. Imports fell by Rs 3 08 lakhs to Rs 3 64 crores but exports rose by Rs 28 94 lakhs to Rs 2 54 crores. 51 p c of the total trade of the subordinate ports was with the chief port Bombay.

The principal articles exported from the four principal ranges are spices (betelnuts), dried fruits, and wood from Kanara, salt, rice, bricks and myrobalans from Kolaba; rice, salt, wood and bricks from Thana; and cotton raw, cotton seed, pulse, ghee and wood from Surat.

AHMEDABAD DISTRICT.

The AHMEDABAD district is generally a flat country with only a few rocky hills. The district covers an area of 3,819 sq. miles and has a population of 923,421. The soil is mostly alluvial and black cotton. Average rainfall is about 30".

AHMEDABAD—Ahmedabad is the chief city in the District and is now the second largest city in the Presidency. It ranks first among the cities of Guziat and is one of the most picturesque towns and has a population of 323,833. About 300 miles from Bombay and about

TRADE TERMS & ABBREVIATIONS: Unique collection alphabetically arranged. Price As. 4. Industry Book Dept., Shambazar, Calcutta.
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With the repealing of sanctions against Italy imports from that country gradually revised and the figures for the closing months of the year indicate that the trade is assuming normal proportions.

The civil war in Spain had an adverse effect on the trade with that country which was most noticeable in the reduction of her demand of Indian raw cotton.

The aggregate value of the foreign trade of the Presidency amounted to Rs 136 82 crores as compared with Rs 139 26 crores last year, the value of merchandise being Rs. 94 36 crores as against Rs 83 25 crores and that of treasure being Rs. 42 46 crores as against Rs 51 01 crores in the preceding year.

Import trade.—The total value of imports of private foreign merchandise into the Presidency of Bombay amounted to Rs 49 33 crores showing a fall of Rs 5 2 crores, or over 9 per cent as compared with the corresponding figure for the last year while that of private treasure (gold and silver) was Rs 12 98 crores against Rs 4 8 crores. The principal articles contributing to the fall in merchandise were metals and ores, raw cotton, sugar, cotton manufactures, machinery and millwork, oils, cotton twist and yarn, postal articles not specified, silk manufactures and dyeing and tannin substances.

The following showed noticeable variations, viz., grain, pulse and flour (—Rs 18 34 lakhs) owing mainly to there being no importations of wheat from Australia and to smaller receipts of rice from Siam, carriages and wagons and parts for railways—(—Rs 18 17 lakhs due almost entirely to smaller arrivals from the United Kingdom) and bob bins (—Rs 9 36 lakhs). Imports of tea recorded a fall (—1,187,612 lbs in quantity and —Rs 7 71 lakhs in value) owing chiefly to smaller receipts of green tea from China. Imports of leather and leather manufactures and belting for machinery also declined by Rs 5 72 lakhs and Rs 5 18 lakhs respectively. Under spices, cloves of the value of Rs 19 26 lakhs were imported from Madagascar as against worth Rs. 97 lakh only last year but pepper from Java was valued at Rs 4 21 lakhs as against Rs 15 63 lakhs in 1935-36. Imports of seeds improved from Rs 55 27 lakhs to Rs 62 85 lakhs. The increase from Rs 7 94 lakhs to Rs 23 75 lakhs under clocks and watches is due to the inclusion of imports of watches by post which prior to April, 1936, were being recorded under the head "Unspecified articles imported by Post."

Export trade.—The total value of exports of foreign private merchandise including re-exports rose from Rs. 33 11 crores to Rs 44 41 crores or by 34 per cent but that of treasure (gold and silver) fell from Rs 40 57 crores to Rs 29 27 crores, the value of gold exported being Rs 29 25 crores as compared with Rs 38 26 crores last year. The increase in exports of merchandise is chiefly attributable to larger shipments of raw cotton seeds, postal articles not specified, hides and skins (foreign) and cotton manufactures.

There were noticeable variations in the exports of postal articles, jewellery and plate of gold and silver, fruits and vegetables and metals and ores. The increase from Rs. 1 39 crores to Rs 2 39 crores to Rs 2 57 crores under postal articles was due chiefly to larger exports of skins to the United Kingdom. Larger shipments of jewellery to France and of fruits and vegetables, dried, salted or preserved—other sorts chiefly to the United States of America accounted for the increases under jewellery and plate of gold and silver and fruits and vegetables respectively. Increased shipments of manganese ore to Belgium, the United Kingdom and France, of iron, old for remanufacture to Japan and the Union of South Africa were responsible for the increase under metals and ores. There were also larger shipments of

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climate of the place is genial. The district contains some cave temples dating from the 12th century and there are a number of forts of historic interest.

Staple crops are jowar, bajra, wheat and gram, which are grown on the banks of the Godavari and the Bhima. Vari and ragi are grown in the Akola taluks. Tur, math, kulith and cotton are grown in the eastern portion. Safflower, sesamum and linseed are also grown besides sugarcane, tobacco, betel leaf and vegetables to a small extent.

Canal irrigation is carried on in the district. There are about 1,000 sq. miles of the reserved forest of which teaks are excellent and are used for rafters and poles. Banjan, jambul, behra, ain and karvand trees are also available. Lime stone is abundantly obtained.

The industries of the district constitute weaving of saris and turbans, copper and brass pots, paper making and carpet making.

The head quarter town (AHMEDNAGAR CITY) has a population of 41,890 and contains a cantonment with a population of 15,639. There is a carpet factory and a weaving institute. The industries of the town are sari-weaving and making of copper and brass vessels. Situated on the left bank of the Sina, it lies 72 miles off from Poona and is a railway station on the Dhond-Manmad Railway.

Other centres of trade are: SANGAMNER, (15,355), KOPARGAON (7,128), PATHARDI (6,835), SHRIGONDA (6,331), and BELAPUR (5,482).

BELGAUM DISTRICT.

BELGAUM is a hilly tract of land, situated in the south of the Presidency. The district's population is 1,078,561. Its area is about 4,649 sq miles. The chief means of communication is the Southern Mahratta Railway.

The soil of the district is composed of black and red varieties of which the former kind is very fertile. Most of the grains, pulses, oil-seeds and fibres are sown on dry fields of the district. Cotton is grown here mainly on black soil and is reaped as a cold season crop. Ginger is grown in garden lands, chiefly for domestic consumption.

BELGAUM, the Sadar station, is a municipality and has a population of more than 40,000. The town has a booming trade. Trade in silk and cloth (cotton) is also considerable. It exports agricultural products, rice, jaggery, tobacco and cotton in large quantities and imports cloth, silk, salt and grain. Markets are held in the villages throughout the district at fixed intervals. Next to agriculture, hand-loom weaving constitutes the principal industry of the district.

GOKAK—The town of Gokak has a population of more than 10,000. It was once a seat of a large dyeing and weaving industry which is now extinct. There is one cotton mill near Gokak Falls. The town is a centre for the manufacture of toys.

KHANAPUR—It is the most sparsely populated taluka in the district. The town is situated on a rocky hill which is well wooded. Bamboos, banyans, tamarinds and mangoes abound in these woods. The articles of trade are salt, dried fish, dates, coir, coconuts (from the port of Venegurla), all sorts of grains, sugar and molasses.

BARGAON has a good weekly market in it.

GHODGERI—Glass bangles are made locally on a large scale, the annual production being about 72 lakhs of pairs.

HONGAL—This town has a population of about 10,000. Coarse cotton cloth is woven here and sold in the neighbouring market, or the cloths together with other country stuff are exported via the head quarter town of Belgaum to Konkan. The place is noted for superior

Sugar Making pays in these days. Read SUGAR IN INDIA Rs. 3/8.
INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

50 miles from the head of the Gulf of Cambay, it is an important junction on the B. B. & C. I. and stands on the left bank of the Sabarmati. The improvement of the port of Dholera in Magharwah Creek to serve as an outlet for Ahmedabad's trade is proceeding apace.

The principal industry of Ahmedabad is the spinning and weaving of cotton yarn and indeed some of the finest cloth woven in Indian mills are made here. Ahmedabad city is at present second only to Bombay as a centre of the manufacture of cotton yarn and cloth and is an important centre in the Indian cotton mill industry. There are 83 cotton mills, commanding 20,23,190 spindles and 50,400 looms and employing 79,649 operatives.

Dyeworks, metal factories, match factory, oil mills represent the industries of the district. The imports comprise sugar, piece goods, timber, metal, grain, coconuts, and molasses, while the exports are oil seeds, grain, ghee, molasses, tobacco, iron, copper, silk, cotton and cloth, gold and silver cloth, pottery, wood work, etc. The trade is carried on both by coasting vessels and rail, and is chiefly directed to Bombay. Ahmedabad is a market for Bengal and Ahmedabad silk and the products are exported to Kathiawar, Rajputana, Central India, Nagpur and certain other places.

The manufactures of the district include copper and brassware, shoes, blankets, etc. Manufacture of silk and brocaded goods is carried on. Locally produced silk goods find market in different parts of India. The manufacture of gold and silver thread, which are worked into the richer varieties of silk cloth and brocade, supports a considerable number of people. Tin and electro-plating are also carried on to some extent. Many families are engaged as handloom weavers working up cotton cloth. Black-wood carving is another important industry, and the finest specimens of this class of work may be seen here. The common pottery of this place is also decidedly superior. The manufacture of shoes and leather-work gives employment to a large number of people.

The important centres of trade are VIRAMGAM (18,965), DHOLKA (13,743), DHANDHUKA (9,076), MADASA, (8,819), PRANTIJ (6,467), SANAND (7,319), and MANDAL (5,378).

List of Fairs.

In NORTH DASKROI Taluk—Ahmedabad Swaminarayan Temple, Sud 9th of Chaitra, one day, Sud 11th to 15th Kartik, 5 days, Sarkhel, one day, Shahpur, Ahmedabad, 2 days. In DHOLKA TALUK—Vautha, Sud 12th to 15th Kartik, 4 days, In DHANDHUKA TALUK—Bhadlad, 3 days, Bhimnath 15th Sud Shravan, one day, 13th Vad Maha, one day, 14th Vad Shravan to Sud 2nd Bhadrpad, 4 days, Tagdi, Sud 9th Kartik, one day; Dholera Sud 11th Bhadrpad, one day. In GOGHO TALUK—Kharaki 3 days. In VIRAMGAM TALUK—Kadwasan, 14th Vad Maha, one day, Bhoim, Sud 15th Kartik, one day, Detroj, Sud 10th Maha one day and Sud 15th Chaitra, one day; Hansalpur Saraspur, each Monday of Shravan, one day, Gadia, Vad 14th Maha, one day. In PRANTIJ Taluk—Ghadi 2 days. In SOUTH DASKROI Taluk—Shah Alam Roza, near Dani Lumbda, 2 days, Vastral, Vad 8th Shravan, one day; Vatwa, Sud 8th Bhadrpad, one day, Pirana, Sud 8th Bhadrpad, one day, and Sud 1st Asvin, one day, Jetalpur, Sud 15th Bhadrpad, one day, Isanpur, Sud 14th Asvin, one day, Ghodasai Sud 14th Asvin, one day.

AHMEDNAGAR DISTRICT.

The AHMEDNAGAR district (area 6,586 sq miles, population 987,949) is traversed by the Western Ghat chains and has many spurs and ridges to the east. Average annual rainfall is about 24" and the

Sugar Making pays in these days. Read SUGAR IN INDIA R. 3/8.
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Crops grown in the district include jowar, cotton, bajra, wheat, rice, rale kang or the Italian millet. Pulses, e.g., tur, gram, kulith, mung, math are also grown. Castor seed, linseed, safflower and sesamum are also grown here.

Cotton and silk cloth are the chief manufactures of the district where weaving is a most popular industry.

Chief imports into this district are piece-goods and rice from Sholapur, coconuts and salt are brought from the coasts, betelnuts and spices are brought from Kanara and molasses are imported from Belgaum. Weekly markets are held in all the taluks.

Byapur exports cotton yarn, cotton cloth, copper wares, coarse woollen blankets, cattle and coast produce.

AMINGARH.—It has a large cattle market and is a trade centre for rice and coconuts brought from the sea coast.

ABSIBIDI and BADAMI are the two villages which are interesting for Jain excavation and cave temples and many people come here for sight seeing.

BAGALKOT.—It has a considerable trade. The town manufactures silk and cotton goods and there are many cotton ginning and pressing factories. There are three markets in the town where grains, pulses and oil-seeds are sold besides the necessary vegetables for every day use.

BIJAPUR.—It is the headquarters of the district and has a population of more than 25,000. The town has a large grain and cattle trade. There are several cotton ginning and pressing factories. The town is a centre of cotton trade in the Deccan. Gol Gombaza is the principal object of sight in this town.

GULEDGARH has a good trade in the agricultural products besides cotton, its chief article of trade. Cotton and silk cloths are manufactured here and sent to Sholapur, Poona, Konkan and Bombay. There are several valuable quarries whence stone is dug up and is much in demand.

ILKAL is the principal market place in the taluk. It is also a centre of weaving and dyeing industries. It exports silk and cotton manufactures and agricultural produce (grains, pulses, wheat, etc.). Cotton cloth and saris are sent to Sholapur, Poona, Belgaum and the Nizam's Dominions. A yearly fair is held on the full moon day of Poush (January).

TALIKOTA has a rising industry in superior carpets. The Juma Masjid is famous here. An annual fair is held during March-April in which many fancy things are sold.

BROACH DISTRICT.

The district of Broach has an area of 1,543 sq. miles, and a population of 334,001 and the language spoken here is Gujarati. It forms an alluvial plain sloping gently westwards. There are only a few hillocks and sand hills here. The surface consists of black cotton soil which is highly fertile and is well cultivated and there are no forests. The climate is very healthy and pleasant and the annual average rainfall is about 35".

The chief exports are wheat, cotton and piecegoods and the imports are yarn, metals, sugar, piece-goods and timber. The important trade centres are BROACH, ANKLESWAR, JAMBUSAR, HANSOT and AMOD.

BROACH (41,341).—The city of Broach is one of the oldest sea ports of Western India. The chief articles of trade are mohua flowers, wheat and cotton which are exported to the south; imports from those

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bullocks which are brought for sale in the markets. A large annual fair is held at the town, where wrestling competition is also held.

KONGUALI—The town has a big trade in rice with Belgaum and other places of Kolhapur. It imports cloth, dates, salt, spices and sugar. A weekly market is held on Thursday where cotton yarn, grains, molasses, tobacco and about 2,000 to 3,000 cattle are offered for sale. Saries and waist cloth and blankets are woven.

KUDCHI—An annual fair is held here at the tomb of a Mahomedan Fakir.

MANOLI—It is a good market for cotton and grains and is a centre for printing cotton cloths. It was once famous for dyeing industry. There are many temples.

MURGOD—It is also a good market for cotton and grains. It has also a cottage industry of printing cotton cloth. A small fair is held here in March which is of six days' duration.

NANDGARH—It is also an important trade centre. It imports arecanuts, coconuts, coconut oil, dates and salt from Goa. Wheat and other grains are exported from this place.

NIPANI (population 12,000) is a large trade centre. It is a central port of trade between the seacoast and the interior. Crowded weekly markets are held here on Thursdays where about 2,000 to 3,000 cattle are offered for sale each day. Beedi tobacco is prepared on a large scale here. It is the biggest tobacco market in the Bombay Presidency about 37 million lbs of tobacco being sold there per annum. About 2,500 people are employed in the town for about 4 months in 'jarda' making season. The tobacco is usually despatched in gunny covers containing about 252 lbs each to Calcutta, C P, Madras and Coast markets.

SADALGI—Coarse cotton cloths, worsted blankets and women's saries are woven here. Sugar making by the indigenous process is the chief industry. Sugarcane is cultivated over a large area and molasses are also prepared and sent away to other parts. Grains and pulses are imported.

SANKHESWAR—Traffic is carried on in cotton, dry coconuts, dates, spices and curry stuffs. Cotton-ginning and pressing is the chief industry.

YAMAKANMARDI (population 5,000)—There are more than 300 hand looms for making saris, blankets etc. A grand weekly market is held here on Tuesdays where dry coconuts, dates, grains, wheat and cloths are offered for sale and exchanged for foreign articles.

SANDATH-YELLAMMA—It is also an important trade centre. A fair is held here during full moon of April-May and again in November-December. Many fancy articles and idols are sold in these melas. More than 1 lakh of pilgrims assemble here.

BIJAPUR DISTRICT.

The district of **BIJAPUR** which has an area of about 5,707 sq miles and a population of 869, 697 is mostly hilly with thick shrubs of wood on the tops. Two kinds of soils are found here—the black variety which retains moisture and the red soil near the sandy hills. Of these the former is generally fertile and produces food grains and pulses in addition to cotton for which the soil is particularly suitable. The average rainfall in Bijapur town is 28" and the climate of the district is on the whole dry and healthy.

The district is well communicated by the Southern Mahratta Railway, the East Deccan Branch of which runs through five of the eight taluks of Bijapur connecting it with the prosperous districts and flourishing trading centres in the north and south. It speaks Kanarese.

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loam with sandy tinge. Land is cultivated here chiefly on the ryotari system.

Agricultural crops raised from the lands include jowar, rice, pulses including tur, gram, mung and kulith. Cotton grown here is of the best quality and vie with those of Surat and Broach in quality; it is both indigenous and exotic. Sugarcane and chillies are also extensively cultivated but cotton is the most important crop of this district as a whole.

Silk cloth, fine cotton carpets and household utensils and ornaments are manufactured at NAVALGUND, glass bangles are made at DHARWAR. There are one up-to-date cotton mill and several ginning and pressing factories and one oil mill in this district.

Agriculturally the district is most fertile and is very important in the Presidency. It largely imports European goods, chillies, coconuts, molasses and betelnuts from the adjoining Kanara and Mysore districts. The chief exports of the district are cotton and cotton manufactures, grains, bangles and carpets. Besides this, local trade in jowar and other agricultural products is also considerable.

The important trade centres of the district are HUBLI and DHARWAR in the west, NAVALGARU in the north, GADAG in the east and RANIBENNUR in the south.

ANNIGERI (population about 9,000) has a considerable trade in grains and cotton. It has a large weekly market, where agricultural products, foreign manufactured goods and oil are sold. An annual fair is held in October and November.

BANKAPUR (Population about 7,000).—A weekly market is held here every Tuesday where coarse cloth, blankets, oils and metal vessels are sold in large quantities. The town has a fine Jain temple of Ratnaswami, where pilgrims from different parts of the district assemble on festivals.

BYADGI (population about 6,000).—A weekly market is held here on Saturdays. This is probably the biggest hat in the district. Rice, molasses, groceries and chillies are generally sold in this market.

DHARWAR town is the headquarters of the district and a railway station on the Southern Mahratta Railway. The exports include cotton, timber and grains and pulses. Rice is also exported. It imports piecegoods, chillies, coconuts, molasses, dates, betelnuts, groceries, indigo, lead, zinc, copper and brass. Metals are imported and vessels made of them are sold in and outside the district. There is no important manufacturing industry except the jail industries of carpet, cloth and cane articles. The climate of the place is on the whole good. The town is fast becoming a good centre of cotton trade.

GADAG (population 33,000).—It is a flourishing town. It has an important trade in raw cotton and silk fabrics. This is the main cotton mart of the district. There is one cotton mill here.

HAVERI (population 9,000).—It has a considerable trade in cotton, cardamoms and other spices. Melas are frequent. There is a regular weekly market.

HUBLI CITY.—This is the biggest town in the district. It has a population of about 69,000. It is a centre of cotton trade not only in this district but also in the whole of Southern Mahratta country. There are 2 cotton mills and several cotton ginning and pressing factories in the town. Trade is conducted on a large scale in raw cotton, cotton and silk fabrics, copper vessels, grain, salt and other commodities. The climate of the place is on the whole good. It is a railway junction.

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places are molasses, rice, betelnuts, timber, coal, iron, and coconuts. The exports consist of grain, pulses, cotton, mohua flowers, tiles and firewood, and imports of fruits, stone for building purposes. All this traffic is coastal. Foreign trade is insignificant. There are five cotton spinning and weaving mills at BROACH.

AMOD TOWN—This town has a population of about 6,600. The prevailing soil is black cotton shading off to grey soil which is too salty.

ANKLESWAR (population 12,000)—The chief article of trade of this place is cotton. There are also several ginning and pressing factories. Trade in rafters from the surrounding country and from outside the district is also considerable. Bamboos are also imported.

JAMBUSAR TALUKA—This Taluka has an area of 385 square miles and a population of 73,715 and the language spoken here is Gujarati. There are two kinds of soil, one Goradu and the other black. Goradu soil is more fertile than the black one. There are no forests. The climate is healthy and pleasant. The annual average rainfall is about 30 inches.

The chief money crop of this Taluka is cotton which covers about 87,936 acres of land. The remaining main crops of the Taluka are rice 5,191 acres, wheat 14,336 acres, jowar 18,640 acres, Bajri 4,744 acres, Sesamum 2,756 acres (1936-37).

The chief exports are cotton and cotton seeds. The chief imports are grains, sugar, iron and jaggery. The important trade centres are Jambusar, Kavi, Sarod, Tankari and Kora in this Taluka.

Jambusar is one of the oldest towns situated in the north of Broach District with a population of 11,734 souls. There are nine ginning factories in Jambusar town, one at Kora and one at Kavi. Also there are five cotton presses in the Taluka.

The B B & C I Rly. is the chief means of communication, but there is also a branch of the Rajpipla State Rly. connecting Ankleswar with Nandod, and passengers from Kathiawar come by sea.

PANCH MAHALS SUB DIVISIONS—It is a level tract of rice soil fringed with dense forest and rugged surface. Its area is 1,006 sq. miles with a population of 4,54,393.

The alluvial, dull black and light soils are the common varieties in the district. Chief crops grown are maize, bajra, rice, gram, sesamum, tur, etc. The hills of Panch-Mahals contain iron, lead, manganese and mica.

The chief exports are grain, mohua, timber, oil-seeds and forest produce. The imports are (from Gujrat) salt, tobacco, coconuts, hardware, cloths and timber (from Barava and Binjalli). At one time the district had a very flourishing trade.

DOHAD is a granary. B B & C I Railway crosses the district which has good roads connecting it with Gujrat. The population of the town is 22,083.

Other centres of trade are **GODHRA** (35,110), **HALOL** (5,394), **KALOL** (6,700) and **JHALOD** (3,521).

DEHARWAR DISTRICT.

The district of **DEHARWAR** has an area of about 4,604 sq. miles and it speaks Kanarese. Its population is 11,22,908. The annual rainfall averaged 33" and the climate is perhaps the healthiest in the Presidency.

A part of the **DEHARWAR** district is hilly and sandy soil is met with in several parts. Soil of this district, however, is classified under three heads: (1) red soil, (2) black cotton soil and (3) the rich brown

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kodra, rice, jowar and wheat; cotton is also grown. Finest tobacco in India is grown here in NADIAD, BORSAD and ANAND taluks. The district is noted for its clarified butter or ghee which is exported largely. The traffic is by rail and road.

KAIRA TOWN, (population 8,316) a municipality since 1857, is the head quarters of the district and stands 7 miles south-west of Mehmabad Station on the B. B. & C. I. Railway and 20 miles south-west of Ahmedabad. It is considered a very old town.

Hand spinning for Nadiad and Ahmedabad mills is carried on. Soap and glass are manufactured at KAPADWANJ. Glass bangles are made on a large scale in KAPADWANJ. There are two spinning mills at NADIAD which is a central taluk in the Kaira district and has an area of 224 sq miles. NADIAD TOWN, the headquarters of the taluk of the same name is a railway station on the B. B. & C. I. Rly, 29 miles from Ahmedabad. It has a big market for tobacco, ghee, cotton, leather and sugar. The Swadeshi Glass Manufacturing Co. Ltd. near Gadhia, manufacture glasses and chimneys.

The chief exports are cotton prints, grain, tobacco, butter, oil and mohua flowers, the imports are grocery, piece-goods, molasses and dyestuffs.

KANARA DISTRICT.

KANARA (3,945 sq miles) has a population of 4,17,742. The district stretches for about 76 miles along the coast of the Arabian Sea.

The principal crops are—Rice, jowar, ragi, pulses (mung, kulith and urid), sugarcane, safflower, coconut and areca-nut, lesser cardamoms, pepper, tobacco, betel leaf, etc.

The chief importance of the district lies in its harbours. These harbours, though small, have served the adjoining districts with great advantage. The small ports in this district are KARWAR, KUMTA, ANKOLA, HONAVAR and BHATKAL. The imports in these ports average about Rs 20 lakhs while exports generally exceed Rs. 40 lakhs. The ports send away rice, timber, coconuts, spices, piece-goods, metals, sugar and spirits. Cotton from Dharwar is also sent away from KUMTA. The forest products include various timbers, sal, teak, etc. and there are about 4 saw mills in the district.

BHATKAL—The articles of trade include rice, betelnuts, coconuts and cotton cloth. Though a small town, the imports exceed Rs. 1 lakh in value and exports amount to about Rs 70,000 annually.

CASTLE ROCK—The importance of the place lies in the fact that the Goa Frontier is only 3 miles off this place. It has a considerable trade in salt (worth about Rs 10 lakhs) which is imported into the district viz, Goa. The exports are grains and cotton to Maimugao and are worth no less than Rs. 30 lakhs.

GOKARN—An annual fair is held here during February. The place has been mentioned in the Ramayana and the Mahabharata.

HALIYAL TOWN—There is a timber depot. The imports average about Rs 4 lakhs and exports amount to about Rs 6 lakhs. Main item of export is rice.

KARWAR—Once an important seat of commerce, KARWAR is the only safe harbour between Bombay and Cochin. Coastal imports during 1930-31 amounted to Rs 12 lakhs and exports to Rs 7 lakhs. It is a municipal town and lies some 50 miles south-east of Goa and 203 miles south east of Bombay. It is the Sadar Station of the district.

HONAVAR—The port has good coasting trade with hardly any foreign trade. The following among other articles are imported through this port.—Fresh fruits and vegetables, gram, pulses, rice.

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NAREGAL—A weekly market of some importance is held here and many articles of trade namely grains, pulses and wheat are sold. Spices are obtainable

NARGUND.—Merchants from different parts of the province, specially from Dharwar and South Kanara, come here and purchase rice, sugar, spices and other agricultural products

NAVALGUND is noted for the production of excellent cotton carpets. Cattle of a superior breed and appearance is the special feature of the place. A weekly market is held on Tuesdays, where these good carpets and cattle are brought for sale, besides many other agricultural products

RANIBENNUR is a thriving town. It has a considerable trade in raw cotton and the place is noted for the excellence of cotton and silk fabric. The surrounding country has many sheep, and the shepherd herds of the place visit **CHOLMARADI** in February and again in August to pay respect to **Bir Deo**. An annual fair is held at **NARGUND** on the full moon day of **Aswin** in honour of God **Venkateshwar**

YAMNUR is a small village having an annual fair, where about 60,000 people assemble.

EAST KHANDESH DISTRICT.

The **KHANDESH** district is mainly mountainous and is probably a tableland. The only river is the **Tapti**. West Khandesh though greater in area than East Khandesh, being 6,401 sq miles in area as compared to 4,651 sq miles of East Khandesh, is much less developed than the latter and is still very wild in places in the west. It is in the central division of the Bombay Presidency and contains a population of 7,71,704. The population of East Khandesh is 1,205,315

East Khandesh is the easternmost district of Bombay, the soil presenting an extraordinary fertile appearance, especially in the valley of the **Tapti** proper. Most of the villages here possess several mango groves and the rather uninhabited tract lying north in the **Satpura** mountains produces excellent bamboos, grass and fair timber. Rainfall is usually both general and regular and the district (**E Khandesh**) perhaps grows more cotton for its size than any other in India.

It possesses four spinning and weaving factories, besides over 100 ginning and spinning mills. Glass bangles are manufactured at **NASIRABAD** and **EDLABAD**. Chief export is naturally cotton, but grain, linseed, and sesamum are also exported.

JALGAON (population 34,286).—The **Sadar Station** and headquarters of the district, is situated at the junction of the **G I P** and **T V** Railway, which between them traverse the whole length and most of the breadth of the district. There are two cotton mills here.

AMALNER (population 23,491).—The surrounding country is level plain but has hills in the south. The northern portion is irrigated, the **Tapti**, the **Bohi** and the **Parbhra** crossing it. It has a population of about 23,000 and is an important centre of local trade in grain and cotton. There are ginning and pressing factories and one cotton mill.

A large fair is held at **Amalner** in May in honour of **Sakharam Bhava**.

KAIRA DISTRICT.

KAIRA has an area of about 1,695 sq. miles and the population is 7,39,490 (1931). The climate is trying and the annual rainfall is 39" on an average. Four classes of soils are met with—light, medium, black and alluvial, light variety being most common, alluvial soil near **VATRAK** is however a rich garden land. The chief crops are **bayra**.

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cating oils for wheels and axles as also oil-seeds are also exported. Cart-wheel making is the chief local industry. Bricks are also made here.

PENTOWN (population 6,635).—The place, though small has a brisk trade. Both the imports and exports amount to about Rs. 4 lakhs separately.

ROHATOWN (population 5,883) is a great rice market for supplying the whole demand of Bombay town.

URAN (population 9,762).—Exports from this place average 32 lakhs of rupees and imports amount to about Rs 10 lakhs. The sea-borne trade however is coastal. Uran does little foreign trade. The principal imports are gunny bags, coloured piece-goods, rice, sesamum oil, manufactured goods, kerosene oil, and sugar. The chief exports are salt, bricks, tiles and paddy.

REWDANDA.—It is an important port in Kolaba, handling considerable coasting traffic. It imports among others the following articles Coloured, painted or dyed piecegoods, etc, sesamum oil, chillies, sugar, pulses, flour, petroleum, kerosene, copra, gunny bags, manufactured goods. The principal exports of the port during the same period consisted of—Fish, coconuts, paddy, cleaned rice, copper wrought, betelnuts, teak wood and timber, firewood, manufactured goods.

The chief exports of the district are rice, salt, firewood, glass, timber, vegetables, fruit and dried fish, and the imports consist of Malabar teak, brass pots, dates, grains, piecegoods, oil, butter, garlic, potatoes, turmeric, sugar and molasses.

An annual fair is held at **CHAUL** (population 7,000) and many people assemble there to make their purchases.

NASIK DISTRICT.

The whole of the district with a few exceptions in the west, lies on a table-land and the general elevation is about 1,500 ft above the sea level. The climate of Nasik town and the whole of the western part of the district is the best in the province, though it varies in different parts. Average annual rainfall is about 29" at Nasik town and 133" at Igatpur. Its area is 5,850 sq miles and population 1,015,521.

Four classes of soils are met with here (1) the reddish black, mould along rivers, (2) a light black soil higher up, (3) brown soil, stiffer and shallower and (4) light brown or red, the second is often not cultivated and manure is invariably used.

The chief crops grown are the bajra, wheat (Southern Taluka), jowar, rice, nagli, kulsh, gram and tur. Linseed and Khurasin (niger seed) are largely cultivated. Cotton is grown in **MALEGAON KALYAN, YEOLA, NANDGAON, BAGLAN** and some parts of **CHANDOR** and **SINNAR**. Tobacco is grown at **DINDORI, NIPHAD, SINNAR**, part of **CHANDOR** and **NANDGAON**.

Nasik is famous for its grapes which are sent to Bombay daily in large quantity during hot season every year.

Good building stone is found, cotton and silk goods are woven chiefly at **YEOLA** and sent to Bombay. Poona, Satara and Sholapur. Silk industry is important, the centre of the industry being at **MALEGAON**. There are 2 beedi manufacturing factories at **Sinnar** and the beedies are sent to Bejar, East and West Khandesh. Cotton cloth is produced at a **SINNAR** and **VENCHUR**.

NASIK (population 48,793).—The town is a place of great antiquity being associated with the name of Sri Ramchandra. Copper, brass and

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wheat, flour, petroleum, kerosene, coconut oil, coriander seed, cotton seed, cotton twist and yarn, cotton manufactures, jute manufactures, copper, iron or steel, cotton piecegoods, haberdashery. Exports consist chiefly of betel-nuts, cardamoms, chillies, pepper, firewood, dry salted fish, timber.

KUMTA—The trade of the place in cotton, spices and grains is very important. It has also a manufacturing industry in carving of sandalwood.

Kanara chiefly exports rice, timber, coconuts and spices, while various piecegoods, metals, spirits and sugar constitute its chief imports. An annual fair is held at **HALDIPUR**, in March where many people assemble. A fair which lasts for a whole week is held at **Surs** here every alternate year in honour of God **Mari**.

KOLABA DISTRICT.

The district occupies some 2,131 sq miles in area in the southern division of Bombay and contains a population of 6,28,825.

The district essentially comprises the western coast round Bombay with several islands in it. The climate throughout the district is salubrious and many visitors come here to spend their summer. The coastal country is mainly hilly. Different kinds of soil are met with here, the sandy portion, the alluvial tract and the clayey mould. Rice is cultivated here widely and grows both on saline tract and on sweet land. It is of two kinds, red, and white, this being the staple food of the district. Val, urid, tur, mung are the pulses grown here. Sesamum and niger seed are the chief oil seeds. Sunn hemp, betel leaf and pine-apple are also largely grown and these have a good trade within and outside the district. The chief manufacture of the district is distillation of wine and spirits from rice and mohua, the latter being brought into the district from country outside.

ALIBAG (population 6,653) —It is the headquarters of the district and only 19 miles south of Bombay. The town is practically covered with a forest of coconut trees and presents a good and promising scenery from outside. There are many mango gardens, the town has a roaring trade in these mangoes and coconut. Agricultural products and foodstuff are chiefly brought from outside the town and are consumed by the people living in the surrounding country.

ELEPHANTA—The rock cave of Elephanta is a resort of many people from the surrounding districts and the Bombay city.

KARANJA—Rice is the chief crop. Liquor from mohua, and salt are produced here in abundance and are chiefly exported in large quantities. Fishing is a great industry, fishes are sent to Bombay chiefly. The salt works of the place present a curious sight to the observer. **KHANDERI** and **KUDA** are the other important places in the district.

MAHAD TOWN (population 8,123) —It has a large sea-borne trade. It imports salted and fresh fishes from Malabar, Goa and Konkan coasts, other imports being dates, sugar, iron, kerosene oil and piece goods. It exports onions, garlic, potatoes, sugar and myrobalans.

MATHERAN (population 2,734) —It has an ideal climate, being situated on an elevated ground. Owing to its healthy climate during summer, people flock to this place from Bombay and adjoining districts to spend summer here.

PANVEL TOWN (population 8,423) —It imports grains, fishes, liquors, gunny bags, mohua flower, coconuts, and timber, and exports grains, ghee, firewood from the adjoining jungles. Cart wheel is a speciality of the town and the name represents a trade mark. Lubri-

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grapes, figs, papayas, guavas, oranges, and other favourite fruits. Among special crops, the grape vine is occasionally grown in the vast garden land in the neighbourhood of the city.

KARANJA.—It is a port of some importance handling good coasting trade though it does hardly any foreign trade. The principal imports at this port are cotton manufactures, gunny bags, petroleum, kerosene, flour, coconuts, sesamum oil, coconut kernel, and pulses. The chief exports are paddy, fodder, bran and pollard, cleaned rice, salt, etc.

Other centres of trade are **BARAMATI** (14,170), **INDAPUR** (7,045), **JUNNER** (8,421) and **LONAVALA** (10,694).

The district has a good supply of metalled road (1,135 miles) and railway—(G. I. P. and S. M.) and has connections by road with Nasik, Ahmednagar, Sholapur, Belgaum, Satara and Kolaba Districts.

RATNAGIRI DISTRICT.

The **RATNAGIRI** district (4,000 sq. miles) has a population of 13,01,694. Neither wheat nor cotton is grown in the district. There are however several coconut plantations. Sunn hemp is sparsely grown by fishermen for making nets for their own use. There are good rice lands which produce good crops and a second crop is also common in those fields, pulses and vegetables constituting the second crop. Climate is on the whole fairly healthy, though rather moist and relaxing. The rainfall which is abundant and comparatively regular averages 100" annually. The agricultural crops reaped include karik, nagli as second crops, rice, kulth, and pulses. Niger seeds, chillies, sunn hemp, coconuts and arecanuts are the other crops.

Only in a few towns and villages saries and coarse woollen blankets are woven. This district has a good trade with the adjoining countries. Grains, cotton and sugar are brought from beyond the Ghats for export by bullock carts to the sea coasts. Rice and arecanuts are also exported. These bullock carts return again to the interior with loads of coconuts, salt and dried fish, piecegoods and stones. The coast contains about thirteen small ports and harbours where steamers from Bombay call to carry these articles of trade, the steamers being the chief means of trade communication.

CHIPLUN (population 12,056).—The trade of the place is also considerable. Value of exports from the place averages about Rs. 15 lakhs and value of imports averages about Rs. 17 lakhs.

DAPOLI.—It is another centre though small and has a good trade in agricultural crops.

HARNAI.—The trade of the port is small but fishing is brisk here during season.

JAIGARH is another port of smaller importance. It exports about Rs. 5 lakhs worth of molasses and firewood, and imports about Rs. 7 lakhs worth of rice and salt.

KHED VILLAGE.—A good cart-road connects it with the port of Harnai and a brisk trade passes along that road.

MALVAN TOWN (population 29,817).—Iron ore of a very good quality is obtainable in the neighbourhood of the town.

The chief imports of Indian produce and manufactures consist of dried fruits and vegetables, fresh fruits and vegetables, gram, pulse, paddy, cleaned rice, petroleum, kerosene oil, coconut, tea, coloured, printed or dyed piecegoods, etc. Chief foreign stuff imported were sugar, dried fruits, kerosene oil. The exports are dry salted fish, coconuts, fruits and vegetables, fresh fruits and vegetables, dried, raw hemp, gunny bags, and manufactured goods.

MASURA (population 9,000) is one of the chief marts of Western India for agricultural products and coconuts.

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silver vessels are manufactured at NASIK town and sent to Bombay, Poona, etc. They are noted for make as well as for polish.

The chief articles of export are grains, oil-seeds, molasses, cotton cloths and silk-goods, sunn hemp, copper, brass and silver ware. There is a prominent market at LASALGAON where large quantities of wheat are brought by merchants. The garden products, onions, garlic and betel leaves are also largely exported. The chief imports to Nasik are raw silk, cotton, thread, copper and grass, sugar, groceries and salt. There is betel leaf industry in the Nasik district. There are 250 gardens at Vadner, 60 at Vadalithoi, 65 at Dhodambe, not far from handor on the Bombay-Agra Road. The business in normal years is always brisk at these villages. The annual exports of betel leaves valued at Rs 3,000 to Nasik, Rs 29,000 to Bombay and Rs 21,000 to Berar.

Weekly markets are held at every town and large villages. The chief centres of local trade are IGATPURI (9,627), NASIK, LASALGAON, NANDGAON (9,540), MANMAD (12,263), and YEOLA (16,751) and PIMPALGAON, CHANDOR, MALEGAON (32,462), and SINNAR (10,773), situated on G. I. P. Rly and B. & C. I. Rlys.

Important weekly marts in Malegaon Taluk are RAWALGAON, ZODGA, UMRANE, NINGAON, WADNER, DABHADI, PATNE, KALWADI. In Igatpuri Taluk the weekly markets are held at Ghoti and Igatpuri and the chief exports are rice.

The chief interior traffic passes on carts, the district having 570 miles of road. The chief railway lines are the north-east line of the G. I. P. Rly and the Dhond-Manmad State Rly.

Important fairs are Bhanwad, Poush Shud 15, 7 days, Khedgaon, Magh Shud 15, 1 day, Vani, Chaitra Shud 15, 15 days, Shindwad, Chaitra Shud 15, 2 days, Jopul, Nasik, Chaitra Shud 15, 1 day; Lakhamapur, Nasik, Margashirsha Shud 15, 1 day; Ambegaon, Nasik, Chaitra Shud 15, 1 day, Awankhed, Nasik, Chaitra Shud 15, 2 days; Krishnagaon, Nasik, Margashirsha Vadya, 4, 1 day, Chandapuri, Malegaon, Poush 15, 6 days.

POONA DISTRICT.

The POONA district is hilly and undulating being intercepted by a system of mountain ranges. The climate is dry and invigorating and its heat is less oppressive than in the plains. It has an area of 5,349 sq miles and has a population of 13,33,528.

It is divided into dry crop land, water land and rice land. The chief crops are bajra, jowar, rice, niger seeds, groundnuts, safflower, wheat, tur, math, kulith, mung, sugarcane, etc. Fruits and vegetables grown are grapes, figs, papayas, guavas, oranges, etc.

The chief industry is silk, coarse cotton and blanket weaving. Toys, pugries, small clay figures, baskets, furs, etc. are also manufactured. The cotton and silk embroidered pugries of Poona have a wide reputation. Brass and silver-work of Poona are also well-known and have a good name.

There are one cotton spinning and weaving mill, paper mills, flour mills and a brewery. KIRKEE (population 16,302) has an arms and ammunition factory.

The exports are raw sugar, grains, cloths, vegetables, fruits, brass-ware and silk cloth. The imports are rice, wheat, salt, copper and brass sheets. Markets, fairs and village shops in tahsils are the centres of trade.

POONA (population 250,187) —Near Poona city good crops are raised by well-irrigation for the Bombay and Poona markets. Vegetables form an important market-garden crop near Poona, as also do

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Jambul, gela and pesha are the trees, mango, jack fruit and guava are grown for their fruits. Patches of bamboo sometimes occur. There is also a cinchona plantation here. Iron ore is found, manganese ore and lime stone also occur.

Agriculture is the main industry of the district. Blankets are also woven. Satara brass dishes are famous. The chief exports are grain and oil seeds, blankets, coarse cotton cloth, chillies, gur and raw cotton. The imports are cotton piecegoods, salt and hardware. Trade is carried on with Poona and Belgaum by railroad, traffic is great, Satara having 433 miles of metalled and 284 miles of unmetalled road. Weekly and bi-weekly markets are held at important villages and towns as MHASVAD, BELAVDI. The trade centres are at WAI, SATARA, KARAD (population 14,479), TASGAON (population 11,011) and ISLAMPUR (population 10,737), S. M. Rly traverses the district.

Important Fairs are:—Khanapur, Tasgaon, 15th Pous, Cattle, Audumber, Tasgaon, Datta Javanti Mela, 5th Magh, Cattle and agricultural, Mhasa, Murbad Taluk, Poush Sudh Purnima, Cattle Fair, (50,000 cattle), Shingapur, Man Taluk, 15th Chaitra, Cattle and agricultural produce, Bathi-Shuala, Walva Taluka, Gorakhanath Mela, Brass, Copper and Metal pots, Islampur, Sambhoo Appa Mela, 15th Kartik, 4 days, Agricultural Products and cattle.

SHOLAPUR DISTRICT.

The SHOLAPUR district is generally flat or undulating except in the north of Barsi and west of Mandha where there is a good deal of hilly ground. The climate is on the whole healthy and agreeable and the average rainfall amounts to about 26". It area is 5,441 sq. miles and lies in the Central Division. The population is 8,77,585. The district is not a fit place for tree growing which are therefore rare.

Three varieties of soils are met with in the district (1) black, (2) coarse grey, or (3) reddish, black is rare and is found on the banks of the rivers. The chief crops grown are jowar, bajra (Slingola and Malsiras), wheat, tur, gram, math, kulth, oilseeds, chillies, cotton and sunn-hemp.

6 cotton mills have been opened at SHOLAPUR and are in a prosperous condition. There are 3 in BARTI.

Spinning, weaving and dyeing are the chief industries. Silk saris and dhoties of Sholapur are famous. Blankets are also woven. Cotton mills and ginning and pressing factories are situated in the district. Oil presses and saltpetre manufactories also exist.

The trade of the district is rapidly increasing. The chief exports are cotton, oil, oilseeds, ghee, turmeric, and cotton cloth. The imports are salt, piece-goods, yarns, gunny bags, iron ware, etc. Trade is carried on in markets, fairs and village shops.

SHOLAPUR CITY has a population of 144,654 and is situated in the centre of a large plain 1,800 ft above sea level. It has a magnificent fort. Cotton mills continue to thrive. 24 per cent of the total population of Sholapur are employed in textile industries. No other single industry in Sholapur employs over a thousand persons except industries of dress and toilet.

The centres of internal trade are BARSII, SHOLAPUR CITY and PANDHARPUR besides VAIRAG, MADHA, MOHOL, KARMALA, AKLUJ, NATEPUTA and SANGELA. The G. I. P. Rly. crosses it and meets the Madras Railways at Raichur. Barsi is connected with G. I. P. Rly. by a light railway. Besides there are 567 miles of metalled and unmetalled road in Sholapur district.

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RAJAPUR (population 4,214) —Value of export and import of the place averages Rs 2 lakhs each. A noteworthy feature of the place is its hot springs which are frequented by rheumatic patients as their waters are stated to cure rheumatism. Skin diseases are also believed to be cured by their waters. Fairs are held here twice a year and are visited by numerous people who make many purchases for their own use.

RATNAGIRI TOWN (population 23,906) —It is the head-quarter station of the district. It stands facing the sea. It has a fishery on the sea coast where sardines are trapped during January and February. It imports salt, timber, catechu, grains, and the value of these things averages about Rs 17 lakhs. The exports chiefly consist of fuel, fish and bamboos from the adjoining forests and jungles and the value of these exports averages about Rs 7 lakhs. Health of the town is generally good.

SANSWESWAR TOWN has a good trade in grains, piece-goods, salt and fish, which are mostly exported.

VENGURLA TOWN (population 20,158) —Once a military cantonment for Dharwar and Belgaum, Vengurla is a prospering and rising port. Vengurla hardly shares any foreign trade, but the exports from this place, which serves the adjoining country, consist of coconut oil, molasses and cashew nuts, and the value of these articles averages Rs 16 lakhs. The imports to this port are piecegoods, yarn, silk, sugar and fish, and the aggregate value averages about Rs 30 lakhs.

The principal imports of **VENGURLA** consists of Fresh vegetables, dried fruits and vegetables, gram, pulses, rice, wheat, kerosene, coconut oil, piecegoods, etc.

Exports of the port mainly consist of Myrobalans, coconuts, dried fruits and vegetables, coconut oil, cotton seed, sugar, tobacco (unmanufactured), and manufactures of wood.

VIJOYDRUG —The imports to the place average about Rs 2 lakhs and exports average about Rs 7 lakhs. There is a good local industry. The carpenters of the place make very decent ornaments from Bison horns, which are largely imported here.

BANKOT is an important port in the district. The imports of Indian and foreign merchandise were valued at Rs 5 lakhs and Rs 18 lakhs respectively during 1930-31. The exports were valued at Rs 9 lakhs during the same year.

JAITAPUR, a port, has a fairly considerable trade. The imports and exports were valued at Rs 20 lakhs and Rs 4 lakhs, respectively, during 1930-31.

A mela is held at Sansweswar Town during January and February, where many people assemble and make their purchases.

SATARA DISTRICT.

The **SATARA** district lies within the Deccan trap area. The climate in the various parts of the district depends upon height, distance from the sea, and temperature but on the whole it is moderate. Average annual rainfall is about 40"—65" in **SATARA** town (population 24,027), but in some parts of the district it is as high as 300 inches. Situated in the Central Division of the Presidency, it possesses an area of 4,825 sq miles and is peopled by 11,79,712 persons.

The soil is red in the hills and black and light in the plains. Black soil is found near the river banks and is fertile. The crops grown are jowar, bajra, rice, wheat, mung and maths, sugar-cane and groundnuts in the Krishna Valley, chillies, cotton, potatoes, straw berries and tobacco are also cultivated. Tobacco is an important crop in Satara.

You like to prepare chocolate, lozenges, drops, etc. Read *Manufacture of Confectionery*. Industry Book Dept., Shambazar, Calcutta.

There are many salt works, and making of salt is an important industry of the district besides agriculture.

BHANDUP is a port with a considerable coastal trade. Foreign trade is insignificant. The imports include bricks, dry unsalted fish, paddy, kerosene and salt. The exports are bricks and tiles, cleaned rice, liquors and gunny bags. The exports from this port average Rs. 20 lakhs annually and the imports Rs. 10 lakhs annually.

THANA (population 21,816), is the head-quarter Station. Other trade centres are BASSEIN (12,689), BHIVANDI (15,619), and KALYAN (26,291). BELAPUR is a port of some importance.

The principal exports of the district are rice, salt, wood, lime and dried fish. The imports are cotton cloth, gram, tobacco, coconuts, and molasses.

Canoes and sailing vessels along the sea coast and up the creeks form ready means of communication. The district is crossed by the B. B. and C. I. Ry. in the north and in the eastern and western directions by G. I. P. Ry.

WEST KHANDESH DISTRICT.

Exports from West Khandesh constitute cotton, food-grains, oil-seeds, butter, indigo, wax and honey, while the imports are salt, spices, metals, piecegoods, yarn and sugar. Traffic is rail-borne.

DHULIA (population 39,939) —The head-quarters of West Khandesh, is a railway station on a branch of the G. I. P. Railway which joins the main line at Chalisgaon. There is a cotton mill here and one at Gadag.

The chief trading towns in KHANDESH besides DHULIA and JALGAON are BHUSAVAL (27,989), DHARANGAON (18,542), NASIRABAD (14,753), CHOPDA (18,434), CHALISGAON (16,808), ERANDOL (12,382), NANDURBAR (16,919), YAWAL (12,751), PAROLA (12,277), RAVAR (9,489), PACHORA (9,032), SHIRPUR (10,938).

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SURAT DISTRICT.

The SURAT district consists generally of a wild alluvial plain between the Dang hills and the sea coast. Wild date trees grow here. The climate varies with distance from the sea but is generally equable and temperate, average annual rainfall being about 40". Its area is 1,662 sq. miles and the population is 9,68,560.

The soil is more or less of an alluvial character. (1) black, (2) light and (3) besar or medium. Black is common in Opad taluka but the district has also two broad belts one along the sea coast other through the Pard. and Chikli taluka. The crops grown include rice and jowar (staple), cotton (Tapti Valley), kodra, tur, val, wheat and bajra, castor seed (extensively cultivated in the South) and sugar-cane.

The exports are grain, cotton, pulses, mohua fruit, timber and bamboos. The imports are tobacco, cotton-seed, iron, coconuts, and foreign goods. The trade is carried on by railway and by the ships through BILLIMORIA.

SURAT CITY is a municipality and contains a population of about 98,936. The trade guild of Surat is highly organised and is composed of the leading bankers and merchants. Formerly the port of Surat stood at Survali, 12 miles west of the city. But the sea-borne trade is now carried on in small country crafts which pass up the river to Surat. The Railway Station is just on the out-skirts of the city surrounded by a growing suburb.

Of late the sea-borne trade of Surat has declined while the export trade is markedly decreasing. This undermining of its commercial importance is doubtless due to the steady transfer of trade to Bombay. The principal articles of export are agricultural produce and cotton. The land-borne trade, however, has increased considerably in recent years. This is due to opening up of railway communications with the surrounding countries. The imports are valued at Rs 15 lakhs and exports at Rs 5 lakhs annually on the average.

Surat is the centre of gold and silver thread making industry in the Bombay Presidency. But the industry now suffers from the competition of cheap imitation thread imported from abroad. Surat is famous for its brocades (worked with gold and silver flowers) on silk, coarse and coloured cotton goods are woven; targets are made of rhinoceros hides, weaving of silk and cotton goods forms the chief industry. Eight cotton mills are situated here which produce fine fabrics. Centres of trade are SURAT, BULSAR (population 19,481), BILLIMORIA and RANDEK (population 12,344).

THANA DISTRICT.

The THANA district consists of a strip of low land and is crossed by hilly tracts and is elevated towards the east and the north-east. The climate is generally moist and unhealthy. Average annual rainfall is 76". It is in the northern division of Bombay and comprises an area of 3,573 square miles. The population is 8,85,942.

Sweet and salt soils are the two main divisions. Sweet is either black or red, low-lying lands being most productive. The chief crops are rice, ragi, vari, cereals, oilseeds, pulses and sunn hemp, gram or val. It has large trade in forage with Bombay. Vegetables and fruits are sent from gardens and orchards. Fishery in the sea is important and productive. The district is a source of fresh fish to the Bombay city. Forest products are timber, fuels, (firewood, charcoal), bamboos, karri-ain and other barks, and several leaves.

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—Nellore, South Arcot, Tea—Coimbatore, Malabar, Nilgiris, Tobacco—Guntur, Coimbatore, Vizagapatam, Fruits and vegetables—Malabar, Vizagapatam, Ramnad.

Madras Budget:—Revenue anticipated in 1937-38 is Rs. 15,93,73,000/- and expenditure Rs. 15,93,67,000/- leaving a small surplus of Rs. 6,000/-.

The allowance made for the loss on account of land revenue concession is Rs. 75,00,000/-.

The most noteworthy feature on the revenue side is introduction of prohibition in one district (Salem) from October which involves a loss of Rs. 13,00,000/- in excise revenue this year and Rs. 26,00,000/- annually thereafter.

On the expenditure side provision has been made for new schemes costing ultimately Rs. 4,39,000/- annually and in addition Rs. 50,40,000/- non-recurring spread over a few years, the amount provided this year on their account being Rs. 2,13,000/- and Rs. 11,58,000/- respectively. Schemes generally have been selected so as to give preference to works such as water supply and drainage works over buildings and roads. Special reference may be made to supply of butter-milk to prisoners at an annual cost of over three quarters of lakh and grant of two lakhs for hand spinning movement.

The expenditure on almost all the nation building services shows an appreciable increase as compared with that incurred in 1936-37, the increase under irrigation being Rs. 1½ lakhs, education Rs. 2½ lakhs, medical Rs. 4½ lakhs, public health Rs. 9½ lakhs, agriculture Rs. 1½ lakhs, veterinary Rs. 75,000/-, co-operative credit 2½ lakhs and industries nearly Rs. 5 lakhs.

The capital expenditure is estimated at nearly Rs. 1½ crores of which about Rs. 1½ crores is on remunerative irrigation and electric schemes. Rs. 30 lakhs has been provided for loans to cultivators for relief of indebtedness.

Forests clothed with teak, ebony and sandalwood are situated in the west and south of the Presidency. There are also forests in the El Ghat and teak plantations of Nilanbur in Malabar. These forests are all protected.

Minerals:—Manganese, salt, saltpetre and building materials, i.e. clay, granite, laterite, limestone, and stone are the chief minerals found. Coal of inferior quality is also found. Iron is abundant in the Salem district but is not worked on a large scale due to the absence of abundant coal supplies. Mica is obtained in large quantities in the district of Nellore and the Nilgiris while deposits of manganese occur at Bellary, Vizagapatam and Cuddapah. Magnesite is mined at Salem. Gold in river beds and the gold fields of Mysore are scattered in N. Arcot. Graphite, corundum and diamonds are also met with.

Industries:—Weaving of silk and cotton is an important industry being generally exported to the colonies where Indian labour immigrate. Coloured lungis and saris are made both for internal consumption and export. Block printing on cotton cloth is a side industry. Tanjore, Madura, Kottalam, Karnal, Kampti, Adoni, Arni, Tum, Cocanada, Pudukuram, Pithapuram, Salem, Coimbatore and the centres where saris of good quality are made and have not yet been ousted by foreign manufactures except by artificial silk which is gaining ground. These are in good demand as also the muslins of Chicacole and Arni, Madura supplies Bengal with fine cloths and there is a dyeing factory at Madura. Woollen carpets are made at Ellore, Musliapatam, Ayyampattai. Ornamental brass and bronze work were formerly made. Tanjore is the centre of metal work, and silver, brass and copper wares are made here. Vellore, Ganjam, Madura, Kurumbalur, Travancore and Vizaga-

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MARKET PLACES OF THE MADRAS PRESIDENCY.

THE Madras Presidency includes the western coastal plain south of Bombay, central tableland south of the Kistna and the eastern coastal plain south of Orissa. The Presidency has an area of about 142,000 square miles and a population of 53,503,043. A portion of the Presidency, viz, less than half of the Vizagapatam district and two-thirds of the Ganjam district is amalgamated with the new province of Orissa, created from April 1, 1936.

Soil, for the most part, in the Madras Presidency is not fertile excepting the deltas and the river margins, black cotton soil being the most characteristic feature of the Presidency. The country is generally divided into dry, i.e., non-irrigated and wet, i.e., irrigated lands. Tillage is also superficial owing to comparative roughness and hardness of the soil and the implements used are simple. The climate is free from extremes and the rainfall is generally plentiful.

Live-stock—The chief breeds of cattle are Nellore and Mysore. Buffaloes are also met with in Bellary, Nilgiris and Vizagapatam. Sheep are numerous but are uncared for, so are pigs, and poultry, and the products or stock, e.g., manure (dung), milk, wool, hair, hides and skins, meat and bones form an immense addition to the income of the agriculturists. Cattle fairs and weekly markets in the South are special features of the Southern Madras. Sea fishery and tank fishery also employ a large number of people.

Crops—The most important crops are rice and millets. The former is produced on the deltas and along the coastal strip while the latter and pulses in the dry districts. Total areas under various crops are—Rice 98 million acres, rubber 16,300 acres, sugarcane 122,000 acres; coffee 180,000 acres, cotton 2,461,000 acres, sesamum 512,000 acres; castor seed 240,000 acres, groundnut 3,427,000 acres; tea 75,100 acres, jowar 51 million acres; bajra 27 million acres; maize 69,000 acres, grain 115,000 acres, tobacco 280,000 acres, indigo 54,000 acres. Tea, coffee and cinchona are grown on the lower slopes of the hills, spices and condiments in the extreme south, and coconut along the coast. Rubber trees are reared on the Nilgiris. Indigo (51,000 acres) is grown and Madras is now the biggest producer of that crop, contributing about 75% of the whole yield. Vegetables of all kinds are cultivated annually. About 72% of the people are engaged in agriculture including cattle breeders, labourers, etc. The lands are irrigated by canals, receiving water from dams on the hills.

Total area sown in the Presidency is 37,533,000 acres. The districts where the various crops grow most are: Rice—Tanjore, Malabar, Chingleput, Cholan—Bellary, Kurnool, Coimbatore, Nellore; Camhu—Coimbatore, Trichinopoly, Vizagapatam, Guntur; Rasi—Vizagapatam, Salem, Ganjam, Coimbatore; Maize—Guntur; Gram—Kurnool, Pulies—Anantapur, Bellary, Kurnool, Vizagapatam; Sesamum—East Godavari, Salem, Trichinopoly; Groundnut—S. Arcot, Kurnool, Guntur, Bellary, Anantapur; Coconut—East Godavari, Malabar, S. Kanara, Tanjore, Condiments and Spices—Guntur, Malabar, Vizagapatam, Cotton—Bellary, Tinnevely, Coimbatore, Ramnad, India.

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MARKET PLACES OF THE MADRAS PRESIDY. 357

| | 1932-33 | 1933-34 | 1934-35 | 1935-36 | 1936-37 |
|--|-----------------------|---------|---------|---------|---------|
| | (in lakhs of rupees). | | | | |
| Exports | | | | | |
| Indian Merchandise | 7,84 | 7,90 | 10,31 | 10,02 | 9,07 |
| Foreign Merchandise | 43 | 31 | 25 | 23 | 36 |
| Figures of imports into and exports from Madras Port only follow — | | | | | |
| | 1932-33 | 1933-34 | 1934-35 | 1935-36 | 1936-37 |
| | (in lakhs of rupees). | | | | |
| Foreign Trade | | | | | |
| Imports | 11,99 | 11,19 | 12,04 | 11,25 | 11,14 |
| Exports | 8,64 | 9,70 | 8,70 | 9,57 | 13,11 |
| Coasting Trade | | | | | |
| Imports | 4,84 | 4,43 | 5,31 | 5,66 | 4,82 |
| Exports | 2,48 | 1,92 | 2,70 | 2,54 | 2,59 |
| | 27,95 | 27,25 | 29,25 | 29,02 | 31,67 |

SEA-BORNE TRADE.

Imports.—The following table shows the chief imports into the Madras Presidency, during the last five years.—

| | 1932-33 | 1933-34 | 1934-35 | 1935-36 | 1936-37 |
|----------------------------|-----------------------|---------|---------|---------|---------|
| | (in lakhs of rupees). | | | | |
| Machinery & Millwork | 1,07 | 1,45 | 1,59 | 1,67 | 2,20 |
| Metals & Ores | 1,47 | 1,40 | 1,57 | 1,87 | 1,07 |
| Cotton Manufactures | 1,87 | 1,44 | 1,42 | 1,28 | 1,03 |
| Grain, flour, pulse | 32 | 48 | 2,31 | 1,16 | 45 |
| Oils | 1,39 | 1,07 | 1,16 | 1,13 | 1,16 |
| Motor Vehicles | 47 | 70 | 79 | 76 | 78 |
| Cotton Twist & Yarn | 86 | 54 | 65 | 69 | 68 |
| Paper & Pasteboard | 44 | 42 | 42 | 48 | 41 |
| Provisions | 43 | 40 | 43 | 45 | 45 |
| Instruments | 41 | 38 | 45 | 44 | 59 |
| Dyeing & Tannin substances | 48 | 44 | 52 | 44 | 51 |
| Hardware | 41 | 41 | 42 | 43 | 36 |
| Chemicals | 36 | 40 | 40 | 42 | 39 |
| Manures | 28 | 22 | 32 | 37 | 36 |
| Drugs and Medicine | 28 | 28 | 29 | 30 | 33 |
| Rubber | 32 | 32 | 35 | 33 | 41 |
| Spices | 34 | 31 | 36 | 26 | 37 |
| Silk, raw and manufactures | 44 | 34 | 19 | 20 | 23 |
| TOTAL | 15,87 | 14,81 | 17,35 | 15,71 | 15,27 |

Among the other imports during 1936-37 are tobacco (Rs. 20 lakhs), soap (Rs 5 lakhs), stationery (Rs 12 lakhs), building and engineering materials (Rs 10 lakhs), liquor (Rs 24 lakhs), glass and glassware (Rs 17 lakhs), tea chests (Rs 14 lakhs).

Exports.—The following table shows the chief exports from the Madras Presidency during the last few years:—

| | 1932-33 | 1933-34 | 1934-35 | 1935-36 | 1936-37 |
|------------------------------------|-----------------------|---------|---------|---------|---------|
| | (in lakhs of rupees). | | | | |
| Oil Seeds | 6,13 | 6,13 | 5,58 | 5,80 | 11,13 |
| Leather | 4,33 | 5,25 | 5,04 | 5,18 | 6,75 |
| Tea | 4,61 | 3,99 | 4,26 | 4,42 | 4,07 |
| Cotton Mntrs. (mainly coloured) | 1,42 | 1,02 | 98 | 1,14 | 1,62 |

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patam are also centres of metal work. The latter also produces ivory and Vizagapatam is famous for fine ivory work. Lacquered ware of Kurnool is the finest in India. Trichinopoly makes models of temples, and earthenwares are made everywhere. Mats of Tinnevely and Palghat are famous. Cheroots and cigars are manufactured in Trichinopoly and Dindigul. Every cotton growing area possesses cotton presses.

The Madras Presidency comprises many districts growing good stapled cotton and most of the cotton centres are within easy reach of Madras. At the present time by far the greater part of this cotton is sent to Bombay and other places in Northern India, for consumption by the mills there or exported to Europe and Japan. Madras is situated in a central position and the presidency is one of the largest consumers of yarn. There seems to be ample room here for several new cotton mills.

There are 36 cotton mills with 976,000 spindles and 6,000 looms, employing 42,692 persons daily on the average, 1 jute mill and 12 hosiery mills. There are 323 rice mills employing 10,000 hands. Besides there are 58 bricks and tiles factories, 10 saw mills, 5 beer mills, 61 engineering work-shops, 11 leather factories and tanneries, 15 coffee works, 77 tea factories, 122 cotton ginning and pressing factories. There is a Government cinchona plantation and factor.

Fisheries.—Recent investigations have enabled the Fisheries Department to locate six new chank beds in Pulk Bay. The researches revealed the occurrence of hilsa fisheries at sea regularly in the months in which they disappear from the rivers.

Trade.—About 40 per cent of the maritime trade is shared by Madras, Tuticorin, Calicut, Mangalore, Cocanada, Tellicherry, Nipattur, Cochin, Cuddalore, Dhanushkodi, Mangalore and Vizagapatam are the other ports. There is internal trade with Mysore and the Nizam's Dominions.

Stock Exchange in Madras.—A stock exchange has been formed at a meeting of prominent stock brokers to do forward business. Each member will be required to deposit with the Association Rs. 500 on admission, and to pay a monthly subscription of Rs. 25. There are 12 founder-members, each of whom will pay an admission fee of Rs. 500 besides the deposit money. Working hours of the Association will be from 12.00 to 1 p.m. subject to alteration by the committee. Mr. C. V. Kothari has been president.

Transport.—The South Indian Railway and M. S. Railway cover about 4,000 miles. There are about 22,000 miles of metalled roads and about 10,000 miles of unmetalled roads in the province. The construction of some important major bridge over the Godavari, Krishna, Tungabhadra and Pennar rivers and several minor bridges, calculated to be in the neighbourhood of Rs. 5 crores, is under project.

Maritime Trade.—The following table shows the value of the imports and exports of the Madras Presidency.

| Foreign Trade. | 1932-33 | 1933-34 | 1934-35 | 1935-36 | 1936-37 |
|----------------------|---------|---------|---------|---------|---------|
| (in lakhs of rupees) | | | | | |
| Imports Merchandise | 15.87 | 14.51 | 17.55 | 15.71 | 17.77 |
| Exports " | 22.55 | 21.64 | 25.69 | 26.47 | 27.11 |
| Imports | 22 | 17 | 17 | 11 | 11 |
| Exports | | | | | |
| Coasting Trade. | | | | | |
| Imports Merchandise | 17.12 | 16.31 | 16.71 | 2.61 | 16.77 |
| Exports Merchandise | 1.63 | 1.62 | 1.72 | 1.61 | 1.77 |

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ANANTAPUR DISTRICT.

About 6,722 sq miles in area. ANANTAPUR has a population of 10,49,282 Languages spoken are Telugu and Kanarese Average rainfall is 22.06"

Rice, cholam, cumbu, korra and ragi are the principal cereals cultivated in the district, and castor, cotton and groundnut stand foremost among industrial crops.

In BYADAGIRA of Madakasira taluk and CHILAMATUR of Hindupur taluk, long narrow pieces of gunny bag like things are woven with hemp fibre and these when stitched together can be used as spreads on floors or as screens Cotton and silk cloth and saries are made in TADPATRI, YADIKY and PEDDAPAPPUR of Tadpatri taluk In URAVAKONDA of Gooty taluk, there is a thriving weaving industry, cotton saries of a cheap variety are manufactured and there are about 1,500 looms in the place

In GOOTY, HINDUPUR and DHARMAVARAM taluks, there are several ground-nut decorticating factories. In PAMIDI of Gooty taluk, at HINDUPUR and ANANTAPUR town, there are oil mills

GODDUMARRI, a village in Tadpatri taluk, on the bank of the Chutravati, contains extensive fruit bearing gardens, rears a good variety of oranges called 'cheena,' guava and pomegranate fruits on a large scale

MUCHUKOTA in Tadpatri taluk with its range of hills running from north to south, contains good mining facilities for extracting barytes

In and around VAJRAKARUR in Gooty taluk, pieces of raw diamonds are picked up on the surface soil especially immediately after rains Such diamonds are also found in some other parts of Gooty taluk

TADPATRI is a Municipality which has a flourishing trade in cotton and groundnut Ghee is exported on a large scale from this place.

KADIHI is a Panchayat Board with a population of 9352 and is the head quarters of the taluk of that name It is on the Bombay-Madras Trunk road There are nearly a dozen groundnut decorticating factories in the town.

About 75 per cent of the population live by agriculture. Weavers form 2 per per cent of the total population while the industrial and commercial population is 16 per cent Village industries are rare A rough kind of blankets are woven in most of the taluks but those of BELAGUPPA and KARIGANAPALLI of Kalyandrug taluk are superior. PAMIDI produces parti-coloured fabrics, and bangles are manufactured in many places of the district.

The headquarters of the district is ANANTAPUR. It has a population of 15,099

DHARMAVARAM.—The town has a rising weaving industry and manufactures both cotton and silk cloths specially saries for women and has a good daily market. The place is noted for gingelly oil which is obtainable here in large quantities.

HINDUPUR.—The town has a large and increasing trade in jaggery, piece-goods and gram.

GUNTAKAL has a population of 15,620.

Fairs: Makkajupalli, Sree Sangameswara Cattle fair at Kothacheruvu, Vasakha Pournavami, 9 days, Penukonda, Syed Sha Baba Fakrodeen's Urs fair, 10th day of Jamadal Akhri, (Mohammadan Month), 5 days, Lalgudy, S I, Vaikuntha Ekadasi day (December), Agricultural and Industrial, 15 days, Samayapuram, Bojarajapuram,

**THICK TYPE INSERTIONS IN THESE PAGES ARE
PROFIT MAKING—SURELY.**

| | | | | | |
|-------------------------------|--------------|--------------|--------------|--------------|--------------|
| Fruits and Vegetables | 51 | 73 | 85 | 1,07 | 1,23 |
| Coffee | 1,08 | 1,02 | 72 | 1,01 | 82 |
| Cotton, Raw | 70 | 1,11 | 1,74 | 97 | 2,97 |
| Grain, pulse & flour | 90 | 82 | 85 | 89 | 1,00 |
| Coir, Raw and Manufactures | 60 | 77 | 79 | 87 | 70 |
| Metals and Ores | 8 | 18 | 39 | 86 | 80 |
| Rubber, Raw and Manufactures | 3 | 18 | 37 | 57 | 58 |
| Tobacco, Raw and Manufactures | 49 | 64 | 53 | 67 | 69 |
| Oilcakes | 29 | 27 | 45 | 43 | 63 |
| Fish | 29 | 29 | 30 | 31 | 31 |
| Hides and Skins, raw | 16 | 24 | 10 | 29 | 35 |
| Spices | 34 | 39 | 46 | 28 | 30 |
| Fibres for Brushes and Brooms | 24 | 22 | 19 | 22 | 20 |
| Oils | 9 | 11 | 18 | 21 | 19 |
| TOTAL | 23,55 | 24,64 | 25,09 | 26,80 | 36 14 |

MADRAS CITY.

The city of MADRAS has a population of 647,228 and is the third city in India in point of population and commercial importance. It is the seat of a University. It has a harbour and is the chief port of the Presidency. Its trade has been affected by competition with Cochin and the French ports of Pondicherry and Karikal.

Madras is connected by rail with the west coast and with Ceylon on the south. Two main railway lines emerge from the town and penetrate into the interior. The broad gauge Madras and South Mahratta Railways bring in and carry away the articles of merchandise into the interior. There are also lines running to Bombay via the Hyderabad State and to Calcutta along the East Coast.

There are three modern cotton mills and several oil mills, hides and skins are also treated here before being sent away by steamers to foreign countries. Manufacture of cotton piecegoods is advancing apace.

The chief manufactured articles exported from Madras may be said to be hides and skins and leather, in which Madras occupies the foremost place in India. The hides and skins exported are chiefly what are known in the market as "half tans," which are largely in demand by European manufacturers for further tanning and manufacture into pukka leather goods like boots and shoes, leather bags, etc.

Another article that is manufactured and exported is raw sugar (otherwise known as gur or jaggery) which is wanted by the manufacturers in the United Kingdom.

The following are the chief industries of Madras—Aluminium industry, brick and tile-making, cement works, coffee curing, coir making, cotton dyeing, glass, jute, leather, manures, metals and precious stones, mines and minerals, oil and oil seeds, paper, pottery, rice, silk, soap, sugar, sulphuric acid, tobacco, wood and timber and wool. Matches and glue (from tannery fleshings) are also manufactured. The handicrafts are—Weaving, embroidery and lace-making, gold and silver thread, essential oil, palm sugar, carpentry, carpet weaving, wood carving, boat building and blanket making.

**THICK TYPE INSERTIONS IN THESE PAGES ARE
PROFIT MAKING—SURELY.**

METTUR (Wednesday), **MATRAPALLI** (Tuesday), **PERAMBET** (Sunday), **KURICHELAPET** (Friday), **KUNICHI** (Saturday), **NABANGARAI** (Friday), **KANDILI** (Saturday), **KORATTI** (Wednesday), **VANIYAMBADI** (Saturday), **THIMMAMBAT**, **NATRAPALLI** (Monday), **ALANGAYAM**, **PATCHUR**. Cattle fairs are held at Pudupet, Jalampet, Matrapalli and Vaniyambadi.

GUDIYATTAM—Industries.—Beedi Manufacture, Weaving, Tanning hides, manufacture of manure, teakwood furniture and poultry farming at Katpadi. Exports.—Tanned skins from Perumbat Coconut, paddy, Groundnut and jaggery. Teak wood furniture, manure, eggs from Katpadi. Imports.—Raw hides, Food stuffs. Market places.—**LATTERI** (Sunday), **PERUAMBAT** (Monday), **KOILVATHIYAMKUPPAM** (Monday), **KAILASAGERI** (Monday), **GUDIYATTAM** (Tuesday), **VIANGUPPAM** (Wednesday), **MALPATTI** (Wednesday), **TIRUVALAN** (Thursday), **DARAPADAVEDU** (Saturday), **KUGAIVELLORE** (Saturday). Cattle fairs are held weekly at Gudiyatham on Tuesdays

WALLAGAH—Industries.—Weaving, spinning, dyeing, beedi manufacture, tanning hides, making jars and alcoholic spirits and carpet weaving Exports.—Paddy, Groundnut, Carpet, Tanned leather, Jars, manure spirit Imports.—Raw hides, bones, Avaram bark Market places. **RAMPET** (Friday), **SHOLINGHUR** (Wednesday), **NEELANKANTARAYAPAM**, (Sunday) Cattle fair is held weekly

ARKONAM—Industries.—Weaving. Exports.—Paddy, Ground nut Imports.—Articles of food stuff black gram and red gram Market places.—**MINNAL** (Tuesday).

CHEYYAR—Industries.—Weaving, Mat manufacture Exports.—Paddy, ground nut and cloths including sarees Market places.—**Purissai** (Sunday), **Kovilur** (Thursday), **Kolamandal** (Wednesday). Cattle fairs are held weekly at these places.

WANDINESH—Industries.—Weaving, Mat manufacture Exports:—Mats Imports.—Sundry articles referred for domestic consumption. Market places.—**KELAPPALUR** (Wednesday), **WANDINESH** (Wednesday), **MALAYDER** (Friday), **PONNUR** (Tuesday), **MELLAR** (Thursday), **NALLUR** (Sunday), **SALAVEDU** (Friday). Weekly cattle fairs at Mellor and Nallur.

TIRU VENNAMALAI—Exports.—Groundnuts. Market places.—**SALAVEDU** (Friday), **PAVITTERAM**, **KELPENNATHOOR**, **MANGALAM**, **TIRU VENNAMALAI** (Tuesday) Weekly cattle fairs at Kilpenathoor and Tiru Vennamalai Annual cattle fair is held during Karthigai festival at Tiru Vennamalai in November.

OLUR—Industries.—Weaving, Mat manufacture, Extracting oil from country mills Exports.—Groundnut, Gingelly, Ragi.

Imports.—Cloth, grains and groceries Market places.—**KATTAGAMPALAYAM** (Monday), **THENMADIMANGALAM** (Wednesday), **POLUR** (Wednesday), **VADAMADHIMANGALAM** (Monday), **KALASAPAB** (Friday), **PADAGAM** (Sunday), **MELARNI** (Tuesday) Cattle fairs are held at **KELPET** (Vadamadhi manalam), **KALASAPALLAM** and **PADAYAM** weekly on Monday and Fridays and Sundays

CHENGAM—Industries.—Blanket making out of sheep wool. Exports.—Padez Chillies, Groundnut, tobacco and bamboo Imports.—Cotton goods, cotton yarn Market places.—**PUDUPALAYAM** (Thursday), **AMMAPALAYAM** (Monday) **ALATHOOR** (Sunday), **PARAMANANDAL** (Friday), **THUKHAPETTAI** (Wednesday), **MELPALLIPET** (Tuesday), **TANIPADY** (Sunday), **PERUNGOLATHOOR** (Monday).

Organise your business with hints from "Theory & Practice of Commerce & Business Organisation," Rs. 4. Industry Book Dept., Calcutta.

Cattle fair; Penukonda, Sree Subramanya Swami Parasha at Peddamanuthur, Magha Suddha Sashti, 6 days

ARCOT (NORTH) DISTRICT.

Area 4,954 sq. miles; population, 22,67,848, languages, Tamil and Telugu. Climate dry and varied. Average rainfall is 38".

Area under crops in 1936-37—Rice 139,000 acres, jowar 79,000 acres; bajra 94,000 acres; maize 1,14,000 acres, other grains and pulses 196,000 acres, sesamum 21,000 acres, groundnut 319,000 acres, total oilseeds 390,000 acres, coconut 12,000 acres, condiments and spices 11,000 acres, sugarcane 12,000 acres, other sugar bearing palms 2,300 acres, indigo 3,600 acres, tobacco 2,150 acres, fruits and vegetables 25,400 acres, total 13,97,160 acres.

The district of ARCOT (11,232) was the ancient capital of the Carnatic rulers and is famous for its historic ruins. ARKONAM is an important railway junction and VELLORE, a place of considerable trade, is famous for its ancient and picturesque fort, GUDIYATTAM (21,688) situated on the Koundinya Nadi, a tributary of the Palar, is another.

Soil is red ferruginous and the crops raised are rice, ragi and cambu. Yams, cholan, sugarcane, gingelly, groundnut, ganya (under license on the Javadi hills) are also grown, the products being chiefly exported. The trees are red sanders, which are chiefly used for making a costly red dye. Teak, black-wood, sandal-wood are the other forest products, good granite is met with.

Cotton weaving, spinning and dyeing and silk cloth making at ARNI (17,416) constitute the chief industries. Woollen carpets of a coarser quality are woven in jalls. There are brass works also. At RANIPET leather from tanneries is very widely sold, chemical manufactures are also manufactured, and mangoes and oranges, for which this district is famous, and grapes, which grow abundantly in TIRUPATTUR (18,299), are exported in large quantities. Betel-leaves are another important article of export. Other exports to the surrounding districts are rice, groundnut, hides, skins and horns, jaggery, tamarind, stone, and piecegoods to the surrounding districts. The imports here are piecegoods, yarn, twist, salt, chillies, tobacco, unwrought brass, and iron. The skin trade centre is at GUDIYATTAM. The important ports are VELLORE (population 57,265), TIRUVANAMALAI (27,769), AMBUR (24,217), VANIYAMBADI (22,940), GUDALUR (17,612) and WALAJAPET where weekly markets are held.

VELLORE—Industries—Brasswares, Beedi and Cigar manufacture, Tanning hides, carpet manufacture and cotton cloth weaving. Exports—Beedi, cigars, brass vessels, bamboos, Jaggery and tanned skins, Imports—Raw hides and skin timber. Market places—AMBUR (Friday), ADUGATHOOR (Friday), PERIAGUPPAM (Sunday), KARADIGUDI (Thursday), MADANUR (Saturday), PENNATHUR (Wednesday). Cattle fair is held weekly at Pennathur.

ARNI—Industries—Weaving, Spinning, dyeing, silk cloth weaving, mat manufacture and tanning hides. Exports—Mats. Market Places—ARNI (Sunday), ONAMPURAM (Thursday), KANNAMANGALAM, DARBAPURAM (Tuesday). Cattle fairs are also held.

TIRUPATHOOR—Industries—Beedi manufacture, Tanning hides and mat manufacture, baskets and mat making out of bamboos on small scale. Exports—Dholl, Jaggery, Tamarind, Groundnut. Leather. Import—Rice. Market Places—TIRUPATHOOR (Monday), PUDUPET (Thursday), JULARPET (Wednesday), MADAVAIAM (Monday).

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another at Mailam, Tindivanam taluk in the month of March. At both the fairs cattle are brought from different parts for public sale.

BELLARY DISTRICT.

The BELLARY district lies on the slope of the Deccan Plateau. The annual rainfall averages about 24". Languages spoken in the district are Kanarese, Telugu and Hindustani. The district occupies an area of 6,136 sq miles and has a population of 970,145.

Chollam and korra constitute the main food crops. Pulses are also grown as a mixed crop. Cotton is the only industrial crop of this district. Sugarcane is grown mainly at HOSPET and is very paying.

Cotton and silk weaving are important industries throughout the district. The centres of silk weaving are KAMPLI, HAMPASAGARAM, ROYADRUG, etc. ADONI manufactures coloured cotton rugs which have a considerable sale. Woollen blankets are woven at KUDLIGI and HARPANAHALLI. Brasswares are made at HOSPET. There are many cotton ginning factories in the district. Manganese is mined greatly in the district. There are about 5 mines.

BELLARY (population 47,573) is the headquarters of the district, and is a cotton centre. Mulberry trees are also grown here and silk is obtained from the cocoons. There is a small distillery in the town besides two steam presses and a cotton mill (spinning).

ADONI (population 35,635) —It is a chief centre of cotton trade. Cotton carpets and mats are also made here and a good trade exists in these articles.

HOSPET (population 21,678) —It has a long street which is very important. There is a tannery. Chief trade of the place consists in Jaggery (coarse sugar).

ROYADRUG (population 12,007) —It has several broad, regular streets, and many narrow and irregular lanes. There is a tannery, and a good trade exists in silk fabrics and burugulu manufacture.

YEAMIGANUR (population 10,911) —The chief industry of the place is cloth weaving, mixed silk weaving of cotton saris for women and it has a good trade in those articles.

The chief trade of Bellary is with Bombay, Hyderabad and Mysore. From Bombay it imports rice, turmeric, chillies, metal and metalwork; and exports to Bombay cereals, silk fabrics, cotton carpets, blankets, and jaggery. Cattle, rice, timber and coconut are received from Mysore, and blankets, oilseeds and cotton stuffs are sent there. Hyderabad receives from here cholam, jaggery, cotton and silk fabrics and sends out raw cotton chiefly.

CHINGLEPUT DISTRICT.

The district comprises an area of 3,071 sq miles and a population of 1,660,909. The roads in the district are well laid out. The average rainfall is 45" and the climate is healthy. The district lies on the coast of Bay of Bengal around the city of Madras.

Area under crops during 1936-37. Rice 614,663, great millet 8,621; spiked millet 15,306, ragi 93,132, varagu or arika 26,584, Italian millet (Tennai) 636, pulses 15,894, sesamum 36,349, groundnut 65,801, coconut 6,719, condiments and spices 5,433, palms 1,852, fibres 15,33, dyes (indigo) 1,643; betel vines 1,798, fruits and vegetables 14,655. Total 998,709 acres.

CHINGLEPUT (population 14,358) —It lies on the main line of the South Indian Railway. The office of Revenue Divisional Officer and the Sub-Collector, and the Courts of the District and Sessions Judge, Sub Judge and District Munsiff are all in this town.

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Cattle fairs are held at AMMAPALAYAM and THUKHAPETTAI Sunday provisions, grains, cloths are generally sold in weekly markets There are no industrial and agricultural fairs in the district.

The Madras-Calicut trunk road runs from east to west along the Pallar touching all important towns situated on that river, by WAN-DIWASH and CHEYYAR taluks have no railway communication

ARCOT (SOUTH) DISTRICT.

SOUTH ARCOT is an open undulating plain with one range of hills, and has a population of 24,54,141 within an area of about 4,000 sq miles The rainfall averages 46" Tamil is the language spoken here

Paddy, cambu, and varagu are the important food crops, and the principal industrial crops are groundnut, oil seeds, indigo and sugarcane PANRUTI, VALAVANUR, ULUNDURPET, TIRUKOILUR, VRIDHACHALAM and CUDDALORE are chief centres of groundnut traffic.

Area under crops in 1935-36—Rice 558,000 acres, jowar 94,000 acres, bajra 86,000 acres, marua 81,000 acres, other grains and pulses 178,000 acres, sesamum 62,000 acres, castor seed 1,000 acres, groundnut 3,82,000 acres, coconuts 3,500 acres, total oil seeds 4,44,000 acres, condiments and spices 11,000 acres, sugarcane 12,800 acres, other sugar bearing palms 1,300 acres, cotton 7,600 acres, other fibres 700 acres, indigo 6,300 acres, tobacco 1,800 acres, fruits and vegetables 24,000 acres; total 1,504,000 acres

There are distilleries at NELLIKUPPAM and the trade of the district centres round CUDDALORE Cotton fabrics are manufactured here. It is besides a maritime district and the chief trade centres or ports are CUDDALORE and PORTO NOVO of which the former has a great name and constitutes the headquarters of the district

There are 530 miles of metalled road and an equal number of miles of unmetalled road, and the opening up of the Villupuram-Trichinopoly Railway (now completed) has increased the importance of VILLUPURAM (population 20,127) as a railway junction 94 per cent. of the population are Hindus and essentially agriculturists

CUDDALORE is an important port, exporting groundnut, oilcake, and coloured piecegoods and has a population of 59,057 Exports of groundnut during 1935-36 were valued at Rs 113 lakhs The following table shows the nature of the trade done at the port —

| | 1932-33 | 1933-34 | 1934-35 | 1935-36 |
|----------------|----------------------|---------|---------|---------|
| | (in lakhs of rupees) | | | |
| Foreign Trade | — | 1.23 | 98 | 1.43 |
| Coasting Trade | — | 28 | 17 | 31 |
| TOTAL TRADE | — | 1.51 | 1.14 | 1.82 |
| | | | | 1.74 |

Principal imports (foreign) into this port are betel-nuts, sugar and exports consisted chiefly of groundnuts and lungis and saris The coasting trade consist chiefly of—Imports coal, pulse, flour, gunny bags, and timber, Exports: gram and groundnut

CUDDALORE, CHIDAMBARAM and VILLUPURAM are municipalities with a population of 57,358,24,891 and 19,775, respectively.

PORTO NOVO is a port with a population of 13,762 The foreign trade during 1934-35 were valued at Rs 55 lakhs During 1935-36 the value of foreign trade amounted to Rs 4,70,000 Groundnuts were exported to the value of Rs 53,000 during 1934-35 but the exports dropped steeply during 1935-36 The coasting trade is however, insignificant.

Cattle fairs are held at two places in this district One is being held at Melmalayanur, Gungee taluk in the month of February and

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The chief mineral products of Coimbatore is a place of some trade Toys of good workmanship representing fruits, penholders, jars, paper-weights, etc are made and sold locally.

CUDDAPAH DISTRICT.

The CUDDAPAH district has an area of 5,918 sq miles and a population of 9,49,397 Languages spoken here are Telugu and Hindustani.

Area under crops in 1936-37 —Rice 87,000, jowar 346,000, spiked millet 115,000, ragi 80,000, varagu 21,000, Italian millet 89,000, horse gram 41,000, sesamum 6,400, groundnut 203,000, castor and lamp oil seed 8,000, chillies 6,000, cotton 61,421, fruits and Vegetables 27,000, total 1,146,000,

The principal export is raw cotton The next include foodgrain (chulam) and egg, Cuddapah slabs, minor forest produce, indigo, turmeric and in recent years, groundnuts Locally grown turmeric finds a wide market in the provinces including northern and western India Groundnut generally finds its way to Madras or Pondicherry. Local melons are sent, among other places, to Hyderabad, Bombay, Calcutta, Madras, etc A large quantity of asbestos is raised Baiytes is also found

The chief items of imports are domestic requisites such as salt, kerosene oil, sugar, spice, rice, etc Foreign piecegoods and yarn are largely imported

The three principal trade centres in this district are in order of their importance, PRODDATUR, CUDDAPAH and RAJAMPET. Other important towns are JAMMALAMADAGU, BADVEL, VEMPALLI, KAMALAPURAM and ROYACHETI

CUDDAPAH (population 22,602) —It is not of much importance except that it is the headquarters of the district It is very hot

JAMMALAMADAGU (population 15,944) —It is a busy centre of trade It exports indigo and cotton, the chief products of the country. Cloth is manufactured here on handlooms Here are made the turbans and carpets which are sent to the Central Provinces and the Bombay Presidency and find a ready sale The car festival of Narapuaswamy held in May continues for ten days and is attended by many people from surrounding village

PRODDATUR (population 20,124) —It produces cotton and there are two pressing factories here Brass, bell-metal and copper vessels are manufactured at VONIPENTA

PULLAMPET is reputed for its fine lace-bordered cloths

Cattle fairs are held at Chinnamandem (April), Madishad (May) and Proddatur

EAST GODAVARI DISTRICT.

The East GODAVARI district has an area of 6,221 sq miles and a population of 3,142,197 Rainfall in 1936 is 125". Telugu, Hindustani and Yerikala are the languages spoken

Paddy is the principal crop and cholam is the other cereal most extensively grown in the delta taluks. Other important crops are turmeric, sugarcane, betel, garlic, onions, plantains, arecanut, gingelly and castor.

Area under crops in East Godavary in 1935-36 —Rice 6,98,731 acres, cholam (jowar) 1,02,970 acres; cumbu (bajra) 49 073 acres; ragi 19,890 acres; maize 4,200 acres, total cereals 8,69,409 acres, pulses 1,97,742 acres, gingelly (sesamum) 93,394 acres, castor 7,661 acres, cocoanuts 52,652 acres, total oil seeds 1,49,196 acres; condiments and spices 25,360 acres, sugarcane 10,307 acres, others 816 acres; cotton

Manufacture Pickles & Chutneys at Home. "Indian Pickles, Chutneys & Morabbas" explains the process. Industry Book Dept., Calcutta.

CONJEEVERAM (population 54,258):—The town is famous for cotton and silk weaving and its wearing population comes to 25 per cent. of the whole population. Umbrellas for temples are manufactured and sold all over Southern India. It is an important trading centre exporting large quantities of cloth and paddy, and a favourite resort of Hindu pilgrims.

POONAMALLEE (population 20,340):—It is a military station noted for flowers. The trade of the place is restricted to articles that are of use to the soldiers.

SEMBIAM is a town with a population of 33,127.

SAIDAPET (population 33,637):—Imports to this town consist of cotton piecegoods, hardware and coal, and exports (in small quantity) of rice and groundnut. There are a number of tanneries.

TIRUVOTTIUR (population 10,732):—The place is swampy and is notorious for its malarious climate. Rice is largely grown here.

UTTARAMERUR:—A weekly market is held here, where rice, grains, foreign goods and cattle are sold.

TIRUVALLUR (population 10,650):—Red handkerchiefs and cloths for Mahomedans are manufactured in the Sattravedu division and sent to Bangalore.

WALAJABAD:—This town is noted for tannery. It exports rice and paddy. A weekly market is held here and all sorts of articles and cattle are sold.

SRIPERUMBUDUR:—This is noted for a Vaishnavite temple. It has a big lake.

COIMBATORE DISTRICT.

The district has an area of 7,872 sq miles and a population of 2,219,848. The climate of Coimbatore is dry and healthy. The average annual rainfall is about 25 inches.

The crops grown are cholam, cambu, pulses, ragi, rice, cotton, sugarcane, tobacco, mulberry for silk worms.

This district has real forests sandal and cutch forming a continuous belt. Myrobalans are obtainable, soapnuts, honey, wax are also found here. Cotton and silk weaving, making of carpets, which are sold locally are the chief industries. They are also sent to Madras, Bangalore and Mysore, Trichinopoly, etc. and are made at BHARAIN. There are several cotton ginning and pressing factories and eight spinning and weaving mills, tile factories, as well as several works for preparing coffee. Silk industry is carried on in KOLLEGAL (population 13,849). There are tanneries and rice mills in this district and there is a good trade in hides and skins.

The chief exports are cereals, pulses, chillies, turmeric, spices, cotton, oilseeds, tobacco, ghee, sandal wood, plantain, jaggery, brass and copper vessels, cattle and leather; and the chief imports are rice, salt, fish, piecegoods, yarn, metals, metal wares, and coconut oil (from Malabar).

The internal trade is conducted in numerous weekly markets, the most important centres of which are POLLACHI (population 22,112), TIRUPPUR (18,059), DHARAPURAM (18,218), UDUMALPET and COIMBATORE. ERODE is one of the important centres of the trade in Southern India and a big railway junction on the South Indian Railway. The population of COIMBATORE is 95,198 and that of ERODE is 38,672. With nearly 188,000 looms, 14 refineries for refining saltpetre, and an industrial school for cabinet making, the district of Coimbatore is a place of some trade.

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There is a jute mill, about 40 rice mills and one oil mill in the district besides five pressing and ginning factories.

GUNTUR is a big town with a population of 65,179. **TENALI** (84,580) is the chief centre of trade in paddy and Bapatla is noted for its palmyra and spice plantations Tobacco factories of the district are growing in importance.

CHIRALA (population 18,353).—The surrounding country produces a rich crop of cotton while cotton weaving is a prosperous craft in the town proper. Agricultural crops are also obtainable here in large quantities.

It is one of the big marketing centres for tobacco. The I. L. T. D. company opened their Head Quarters in this town with a number of branches in the district. The recent investigations have shown that the tobacco grown in this district is one of the best of its varieties, tobacco is exported to various parts in this country and also to foreign countries Japan and England.

MANGALGIRI (population 16,911).—It is a hilly town. There is a rock-cut platform with a temple of Narasingha. Thousands of Hindus flock there during the annual fair, held during the full-moon of March. It is also a centre of weaving industry.

ONGOLE (16,672).—It is a town of some importance. The surrounding country is rich in alumina. The trade of the place is chiefly in agricultural produce, hides and skins, etc.

NARASARAOPET (15,403).—It is noted for its manufacture of iron camp-furniture which are manufactured here on a large scale. Fur blankets are manufactured in **DRONADULA**, a village in **NARASARAOPET**. It is the centre for chillies and cotton traffic.

PONNUR has a population of 11,101 and **VETAPALEM** (10,288) is another trade centre.

KANARA SOUTH.

The district has an area of 4,021 sq. miles, and a population of 13,72,108. Languages spoken are Kanarese, Malayalam, Konkani, Marathi and Hindustani.

Rice is cultivated on a large scale in the district. It grows especially in field in the rainy season and the first crop will be ready in October. Jeera rice is a good and fine quality of white rice. Other cereals grown are urid, horsegram, beans, etc.

Jaggery industry is progressing especially at **KULUR**, **ULLAL**, **KASARGODE** and other places where sugarcane is largely grown. The jaggery produced at the Western Ghats is used especially for sweetening coffee among the middle class and also among rich men. Poorer classes use palmyra jaggery.

Coconut grows abundantly in the district especially at **KASARGODE**, **MANJUNADY**, **ULLAL**, **MALPE**. Oil is extracted from copra. The oil extracted in the rainy season is a little dirty whereas that prepared in hot season is clear like water.

Arecanuts or betel nuts, red and white, are largely grown in the villages. Cashewnuts are largely grown on the hills along with the fuel trees. The collection of nuts is done in March and April. The dried nuts are sent to foreign countries and used for preparing macaroons, etc. Chillies are largely grown at **HAREKEL**, and in every village especially before the rainy season sets in. They are also grown in the Ghats and are lower in price than village grown chillies which are very hot. Coffee is largely grown on the Ghats. The best variety being "peaberry". Ginger, groundnuts, etc., are grown in several places. Cardamoms, pepper, rampatri are grown in the Ghats. Kaolin is obtained deep in the hills at Mannagudde, and Jedigudde at

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13,976 acres; other fibres 28,915 acres, dyes 253 acres, tobacco 19,537 acres, total drugs narcotics 19,811 acres, fodder 24,086 acres, fruits and vegetables 51,508 acres; miscellaneous food crops 1,565 acres, other non-food crops 8,042 acres, Grand Total 14,34,623 acres.

RAZOLE and **AMALAPURAM** are noted for coconut, arecanut and plantain gardens, and tobacco in **RAZOLE**, **RAMACHANDRAPURAM**, **RAJAHMUNDRY** and **AMALAPURAM** (15,213), and sugar cane in **RAMACHANDRAPURAM**, **COCANADA**, and **PEDDAPURAM** (population 17,338) are important among the industrial crops of the district, while, excepting the **PITHAPURAM TALUK**, gingelly has an extensive cultivation all throughout the district.

COCANADA (population 65,952) —The town is connected with the main line of the Railway by a branch line off **SAMALKOTA** and is a sea port. The vessels loading and unloading here have to anchor about 7 miles away into the sea, with which connection is made by feeders. The town and port is the most important centre in the Coromandel Coast. It is the chief port in the Madras Presidency for the export of rice, the receiving centre being Colombo, Mauritius, Coromandel and Malabar.

Principal exports include raw cotton, groundnuts, rice and paddy (to Ceylon and Mauritius) the imports to the port are kerosene oil (from U S A), unrefined sugar (from Java), and metals (from U K). The port is managed by a Port Trust. The exports of groundnuts during 1935-36 were valued at Rs 136 lakhs.

PEDDAPURAM (population 13,000) —The place possesses a good weekly market in which all the agricultural products of the surrounding country are offered for sale.

PITHAPURAM (16,151) —It is also a town of great importance. There is a weekly market for selling the products of the neighbouring lands. An important feature of the market is that cattle are sold here. The bell-metal ware industry of the town is small but its condition is very encouraging.

RAJAHMUNDRY (population 63,526) —Rajahmundry is the second important town of the district. The surrounding country is very fertile and produces cotton for which it is a centre in the district. The articles manufactured here include carpets, coarse woollen rugs, sandals and other woodwork. There is a paper mill here. The town contains a museum and a public garden. The trade of the place is prosperous and includes agricultural crops besides those already mentioned.

SAMALKOTA (population 1,8001) —There is a sugar refinery and distillery in the town absorbing the sugarcane crop and also molasses of the country around. There is also a Government Experimental Agricultural Farm here.

GUNTUR DISTRICT.

The district of **GUNTUR** has a population 2,037,181 and an area of 5,735 sq miles. Languages spoken are Telugu and Hindustani.

There are three irrigation canals—the Commamur, the Bank and the Nisampatam—which are also used for navigation purposes. The Commamur canal, joining the Buckingham canal, establishes through communications between Bezwada and Madras. The annual rainfall averages 34". The climate of the place is good.

The district is fertile and has prospering industries. Soil of the district is chiefly of the black cotton variety and produces cotton. In the uplands the staple food crops are cholam, variga and cambu, but paddy is the main crop. Of the industrial crops, cotton, tobacco and castor are important.

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climate of the district, though trying in certain parts of the year, is on the whole good. The staple food crop is rice which is of two kinds, white paddy, which is irrigated and transplanted; and black paddy, which grows with the help of rain alone.

The district produces rich crops of rice which is cultivated over 57 million acres. Jowar is cultivated over 2 million acres. Groundnut is cultivated widely the area under tillage being 1 million acres. Condiments and spices are grown in the district on a fairly large scale. Cereals and pulses grow over about 1 million acres.

The district has one jute-mill, one sugar factory and about 120 rice mills. The only industry of any importance is weaving. Toy-making is carried on at KONDAPALLI, and tanning is done in BEZWADA and MELLORE. Lace-making is a cottage industry in NARASAPUR (only 6 miles from the sea) and MASULIPATAM.

BEZWADA (60,427) is a rising municipality and was for some time the seat of the Andhra University.

MASULIPATAM —It constitutes the headquarters of the Kistna district and has a population of 56,928. It is a seaport of some importance having both foreign and coasting trade. Among foreign exports the principal articles are paddy and rice. During 1935-36 groundnuts worth Rs 71,00,000 were exported from Masulipatam.

Printed cloth however is manufactured but the old palampores are no more to be seen. It has got a tanning factory. The trade, which is small, includes agricultural crops, hides and skins, and cotton, besides grains, pulses and groundnut.

PALAKOLU —The town has a population of more than 14,000. The town is flourishing and is the chief mart of the Western delta. The trade of the town consists chiefly in fruits, grain, yarn, etc. It is a big trading centre connected by canals with Narasapur and Nidadavola.

KURNOOL DISTRICT.

The district has a population of 1,024,961 in an area of 7,581 sq. miles and Telugu and Hindustani are the languages mainly spoken. The district has an average rainfall of 26.01 inches and the climate is on the whole healthy though it is very hot during the summer months.

The main food crops of the district are Chulam, Cambu, Paddy, Korra and Varagu or Arika. Cotton, Groundnut, Castor and Tobacco are the important industrial crops. A growingly favourite crop is the groundnut. Chillies form an important crop under the Kurnool-Cuddapah canal and Sugarcane is confined to a small area under the Kurnool-Cuddapah canal and principal tanks and springs.

Area under crops in 1936-37. (Fash 1346)—Rice 70,293 acres, Wheat 1,388 acres, Chulam 575,190 acres, Cumhu 68,030 acres, Ragi 24,416 acres, Maize 92 acres, Varagu or Arika 70,070 acres, Korra 400,001 acres, Shamai 768 acres, and other cereals 22,699 acres, Pulses (gram) 122,759 acres; Castor seed 28,526 acres; Groundnut 468,195 acres. Total oil-seeds 502,693 acres; condiments and spices 20,831 acres, Sugar 1,755 acres, Cotton 233,192 acres, other fibres 1,699 acres, Indigo 1,261 acres, Tobacco 4,505 acres; other drugs and narcotics 3,227 acres, total 2,134,199 acres.

The northern half of the district has a brisk trade in grains which are mostly grown there. Barytes is found abundantly in the district. Steatite and Ochres are also met with here and there. Iron ore and slate are also found in some parts.

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Mangalore. Excellent stones are dug at PADDAVU for building construction

The chief industries of the district are toddy drawing and fish curing, tile and brick factories and pottery, coffee curing, weaving and fish curing, the tile and brick factories and pottery, coffee curing, weaving and coir making

Tobacco is largely grown on the sandy plains near the coast line especially at KUMBLA, KASARGODE, HOSDRUG, MOGRAL South Kanara is well-known for the manufacture of beedies and cigars

Tiles are manufactured at JEPPU, KUDROLLI on the bank of the Netravathi river at MANGALORE. There are two or more iron works, one at JEPPU and another at HAMPANKATTE. Guns are manufactured in several places. There are also about 50 bakeries. Fishing industries go on all the year round and there are several fish oils and guano factories. Fishes are dried, salted and exported to local areas for consumption during the rainy season. Oils are also extracted and guano is manufactured and is sent to the Ghants for improving the soils. Brassware and potteries are manufactured at MANGALORE, button manufacturing industries are carried on at PUTTUR. Mangalore acidproof jars are manufactured near COONDAPOOR and are widely in demand. Rope is made at MANJUNADY, ULLAL, and MALPE

MANGALORE (population 66,756) is a town of some importance and the chief port in the district, handling both foreign and coasting trade. Mangalore's coasting trade consists chiefly of imports of coffee, fish, fruits and vegetables, gram, pulse, salt, rice, piecegoods, twist and yarn and exports of tiles, betelnuts, coir, coffee, cardamom, pepper, copra and lungis. The principal articles in its foreign trade include imports of cement, chemicals, drugs, fruits and vegetables, soap, manufactured goods, hardware, and exports of tiles, coffee, fruits and vegetables, fish manures, raw rubber, cardamoms and pepper. Foreign Trade in 1935-36 amounted to Rs 2,89 lakhs.

COONDAPOOR—This is another port of some importance whose total coasting trade in 1929-30 amounted to Rs 27,94,000 of which imports claimed Rs 14,34,000 and exports, Rs 13,60,000. Imports of foreign produce include sugar, glassware, china-ware, chemicals, biscuits, peppermints, barley, liquors, wines, etc., safety pins, matches, pencils, nibs and paper.

The other sea ports are BAINBUR, KASURAGOD, HANGARA-KOTTA, MALPE, MUKTI.

KASURAGOD and MALPE handle good coasting trade—the total value for KASURAGOD in 1929-30 amounted to imports of Rs 126,000 and exports of Rs 55,000 while that for MALPE for the same period amounted to Rs 1,962,000 (imports) and Rs 787,000 (exports). Foreign exports from MALPE amounted to Rs 66,000 in 1933-34.

DHARAMSALA in Uppinangudi taluk is a famous place of pilgrimage during Karthikai Festival of Thousand Lights. Another famous place of pilgrimage is SUBRAMANI during Shasti festival when there is an annual cattle fair here. Six miles from PUTTUR there is a tank at IRDE whose water is always tepid. It is stated to have considerable medicinal properties. And a place worthy of visit is JAMALABAD (41 miles from Mangalore) where there is a fortress on a large rock 800 ft high. It was built by Tipu Sultan and is now partially in ruins.

KISTNA DISTRICT.

The KISTNA district is very fertile and produces rich agricultural crops. It has a population of 1,253,887. Rainfall average 37". The

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festival It is on the way to Srisaïlam and many pilgrims especially from the east and north take this route. It is known for slate industry.

Other important places are (1) BETAMCHERLA (a Railway Station) noted for the export of slabs used for flooring and roofing of houses, (2) VELDURTHI (a Railway Station) noted for its cotton and groundnut trade, (3) DHONACHELLAM (a Railway Station) where there is a tannery and tanned skins are exported in large quantities from here, (4) MADDIKERA a trading centre for cotton, groundnut and grain and it is a railway station, (5) PATTIKONDA is the headquarters of the taluk.

List of fairs and festivals are—Gorantla, 27 miles from Kurnool, March or April, a cattle fair is held during the car festival, Mahanadi, 10 miles from Nandyal Taluk Headquarters, Mahasivarathi, February, a cattle show is held by the Agricultural Department and valuable prizes are distributed for the best exhibits; Tartoor, 4 miles from Nandikotkur Taluk Headquarters, April, Sreerangaswami festival, a large trade is done in timber for house construction and agricultural implements, this being an annual market place for coarse blankets made of wool locally in some villages of the Nandikotkur Taluk; Markapur Taluk, Headquarters, March and April, Chennakesavaswami festival, a cattle show is arranged annually.

MADURA DISTRICT.

The district with an area of 4,817 sq miles is peopled by 182,007 persons. The annual average rainfall is about 38". The whole of the district, with a few exceptions, is covered with red ferruginous earth. The chief crops grown are varagu, cholam, ragi and cumbu, horsegram, paddy, cotton, gingelly and castor seed.

Area under crops in 1935-36—Rice 288,000 acres, wheat 1,000 acres, jowar 297,000 acres, bajra 43,000 acres, marua 64,000 acres; other grains and pulses 103,000 acres, sesamum 21,000 acres, castor seed 2,700 acres, groundnut 64,000 acres, coconuts 7,700 acres, total oil seeds 95,000 acres; condiments and spices 20,000 acres, sugarcane 2,000 acres, other sugar bearing palms 1,400 acres, cotton 2,02,000 acres, tea 8000 acres, coffee 12,000 acres, tobacco 8,500 acres, fruits and vegetables 31,200 acres.

Fruit trees and vegetables are largely cultivated in DINDIGUL and KODAIKANAL (a sanatorium and the chief hill station). The chief products of commercial importance on the hills are plantains, cardamoms, garlic and coffee. DINDIGUL (population 43,617) is famous for its tobacco which is grown at PALNI (18,899) and PERIYAKULAM (23,004). Cigars and bell-metal wares are also manufactured.

Jaggery is made from palmyra juice in many villages. In MELLUR TALUK the laterite beds are remarkably rich in iron, and salt is manufactured at certain stations. People here carry on manufacture of fine and decent cloth on an enormous scale. The most important art of the district is silk weaving. Dyeing from vegetables is also resorted to. There are 4 weaving and spinning mills and several lock factories. Artificial silk is woven to some extent.

MADURA CITY (182,018) is the commercial centres and its trade is extensive. Commercial relations are chiefly with Tinnevely, Coimbatore, and Trichinopoly. There are 4 cotton mills and a large number of weaving establishments which are in a prosperous condition. Copper and brass vessels are also manufactured. Fine wooden toys are made here. The exports are cotton and silk fabrics (and fine cotton saris) besides rice, sheep and cattle, tobacco, spices, cardamoms;

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KURNOOL.—Cotton carpets of a superior quality are manufactured here and exported to other places. Good melons are grown in the bed of the river Tungabadra during the summer months and exported to other places in the Presidency and Hyderabad. The town has two cotton presses and several gins which consume the products of the surrounding country. The industries of the place include cotton cloths of a coarser kind. It is the head-quarters of the district.

GUDUR.—This place is 18 miles from Kurnool and it is connected by motor-bus service. Silk cloths are manufactured by weavers here.

NANDYAL.—It is a centre of grain, groundnut and cotton trade. The town is noted for its lacquer work in which there is a great trade. It is a municipality with considerable trade.

MAHANADI.—It is about 10 miles away from Nandyal and is situated in the midst of forests. There is a very picturesque temple which attracts many people from different parts. This is a place of pilgrimage where thousands of people gather on Mahasivarathri day. There is a perennial spring of crystal clear mineral water flowing throughout the year from within the temple.

PANYAM.—This place is a Railway Station and it is noted for all varieties of fruits and nurseries. Fruits, seeds and seedlings are exported to the different parts of the Madras Presidency. Flooring slabs are quarried and exported.

KADAMALAKAIWA.—There are Government fish breeding ponds here at a place known as Prema.

SREESAILAM.—This is a very important place of pilgrimage in the Atmakur sub-taluk of Nandikotkur taluk and is situated in the midst of the Nallamalai forest, about 30 miles away from Atmakur. People in thousands gather from all parts of India at the time of the Sivarathri festival. People from the Mysore Province and the Bombay Presidency visit the place in thousands every Telugu New Year's day.

SANGAMESWARAM.—This is an important place of pilgrimage at the time of Sivarathri festival and it is 14 miles from Nandikotkur the Taluk headquarters. There is an ancient temple of Lord Siva at the confluence of the two rivers, Krishna and Bhavanasi known as "Sapthanadhi Sangam," or the meeting of seven rivers.

CUMBUM.—Cotton carpet weaving is done here to a small extent and slate industry has been recently started.

DIGUVANETTA.—This is a Railway Station on the Madras and Southern Maharashtra Railway between Guntakal and Bezwada and is in the thick of the forest. There is a forest bungalow here and several European and Indian gentlemen visit the place especially during summer for shooting game such as Tiger, Panther, Wild Boar, Wild Dog, Deer, Birds, etc.

UPPER AHOBILAM.—It is 15 miles from Allagadda the Taluk Headquarters and is in the midst of the Nallamalai Forest. There is a Narasimhaswami temple and also temples of Nava Narasimham.

LOWER AHOBILAM.—It is situated down the Nallamalai hills and is 12 miles from Allagadda, on the way to Upper Ahobilam. There is a big temple of Sree Laxminarasimhaswami here. These two are very important places of pilgrimage where thousands of people gather at the time of the festival which generally takes place in the end of March every year.

BRAHMAGUNDAM.—This place is 2½ miles from Veldurthi a rail way station. There is a famous temple and a water spring and hundreds of pilgrims gather there for the Mahasivarathri festival.

MARKAPUR.—There is an ancient temple of Sri Laxmi Chenna kesavaswami and about ten thousand people gather at the time of the

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and there are several European firms here. It is a great centre of coffee. The trade of the port consists chiefly in pepper and coffee from the estates in Mysore and Coorg, other exports being copra, sandalwood and tea. The port is also open during the monsoon owing to its advantageous position and the construction of sea wall of laterite with cement. During 1935-36 the coasting trade was valued at Rs 34½ lakhs and foreign trade Rs 17½ lakhs.

CALICUT is a port on the Malabar coast with a population of about 99,273 and is situated about 40 miles south of Tellicherry and 90 miles north of Cochin. The sea is shallow here and ships anchor about 3 miles away from the coast. It is the headquarters of the district and a place of considerable trade, being one of the largest ports in the Presidency. There are about 150 banks in Calicut. Its coastal trade include among other imports of coal, gram, pulse, paddy, rice, matches raw cotton, twist and yarn, piecegoods and salt, and exports of raw cotton, copra, coconuts, timber, cor, ginger, pepper, cordage. There is a cotton mill here.

The foreign trade consists mainly of imports of cement, dates, hardware, machinery, manures, iron and steel, kerosene, rubber manufactures, soap and sugar, and exports of tiles, coffee, cor, raw cotton, groundnut, raw rubber, pepper, coconut-oil, cardamoms, fruits and vegetables and fish. The port exported 18 million lbs. of raw rubber and groundnut valued at Rs 21 lakhs during 1935-36. Foreign trade amounted to Rs 2,32 lakhs and coasting trade to Rs. 3,24 lakhs.

CANNANORE (population 34,236) is a seaport and a Military Station and is famous for coating pieces. The total value of its coasting trade amounted in 1935-36 to Rs. 66 lakhs. Its foreign trade during the same period was Rs. 1,79,000.

PONNANI (16,210) and BADAGARA are ports of some importance. The foreign trade of Badagara in 1935-36 was valued at Rs. 3,93,000 and the coasting trade at Rs 56 lakhs.

NELLORE DISTRICT.

The estimated total area is 7,978 sq miles and the total population of the district is 14,86,860. Rainfall averages 36" annually and the climate is dry and fairly healthy.

Agriculture is the chief vocation of people in the NELLORE district. Soil is generally sandy and the principal crop is rice. Headquarters of the district is NELLORE which has a population of 45,995.

The district has no textile or other industry of any importance and the mica industry, which was very prosperous till the end of the War is since then declining. Saltpetre is made in a few villages by refining down the nitrous earth to be found on the surface. Copper was discovered in UDAIGIRI taluk in 1801 and European capital was attracted to the spot as the ore was found on assay to yield a large percentage of metal. But all the enterprises have repeatedly proved unsuccessful and since 1840 no fresh attempt has been made. KANIGIRI is famous for several instruments of fine quality such as spinning instruments, razors, scissors, etc. These articles are largely exported from this place and the imports consist of cotton goods, iron, tobacco, etc. Mica is mined here.

GUDUR (population 10,451) — This is a town of some importance, predominantly agricultural. Rice and chilies are grown in large quantities.

POPLUR is a big town and transacts a good trade in rice which is grown in the surrounding country.

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and the chief imports are salt and timber (from Burma). Internal trade is carried on in numerous weekly markets. There is a large traffic in fire-wood. Its traffic passes through Devipatam, Kilakarai, Pamban and Tondi in Ramnad. The main line of S I Rly passes through the district which is well supplied with good metalled roads.

KAMBAN and BODINAYAKKAMER are municipalities with a population of 18,844 and 27,036 respectively.

Fairs. A very large cattle fair is held at MADURA, during the annual festival at CHITRA, and fairly large weekly cattle fairs are held at DINDIGUL and MADURA. Other fairs in Nilakottai Tahsil are Nilakottai, March and May. Cattle fair, Anthoor, 9th to 13th April, Cattle fair, Shembatti, 7-12 May and 10-15 June, cattle fair.

MALABAR DISTRICT.

The MALABAR district has an area of 5,795 sq miles and is inhabited by 35,33,878 people. The annual average rainfall is 120". Oil trade is the important industry and coconut oil, fish oil, guano, copra, fish guano and poonac are largely exported. Manufacture of coir yarn, rope and matting is also a great and expanding industry of the district. Cotton spinning and weaving is practised in the district, there being 3 cotton mills in the district. Malabar teak is extensively used in buildings.

The crops valuable to the district are coconut, arecanut, pepper, ginger, plantain, etc. Arrowroot and tapioca are also grown. There are several tea, rubber and coffee estates.

Fish canning is a growing industry. A factory has been started at Beypore for canning sardines, mackerel, seer, prawns and other varieties of fish.

COCHIN (population 22,818) is one of the most important ports between Bombay and Colombo, Madras and Tuticorin alone commanding a greater trade than Cochin in the Presidency. The port owes its importance to its natural position which has further been developed to suit the local conditions. Foreign trade during 1935-36 amounted to Rs 609 lakhs as against Rs 581 lakhs in 1934-35 while coasting trade amounted to Rs 737 lakhs in 1935-36 as against Rs 670 lakhs in 1934-35. During 1935-36 the foreign trade improved by Rs. 94 lakhs 15.7 million lbs of rubber (raw) was exported in 1935-36.

Coconut oil forms the principal article of export. Oil brought here from the neighbouring districts is exported to the United Kingdom and the Continent. Rangoon also figures as a good purchaser. Coir is also shipped from here in very large quantities. The hill produces are nux vomica, pepper, etc.

Imports consist of cement, chemicals, drugs, earthenware and porcelain, fruits and vegetables, hardware, metal and ores, kerosene oil, paper and pasteboard, raw rubber, soap, stationery, sugar, tea chests, textiles, and vehicles, exports consist of coir, lemongrass oil, oil cake, raw rubber, ginger, pepper, tea, raw cotton, carpets and rugs and sandal wood. The coasting trade of the port records imports of paddy, rice, pulse, gram, wheat and flour, hardware, kerosene oil, coriander, cumin seed, fenugreek, rope, sesamum and piecegoods, and exports consist of coir, cordage, fish, coconut oil, coconut cake, ginger, pepper and tea. The following table shows the trade done at Cochin.

PALGHAT is a big city in the district and has a population of 49,064.

TELLICHERRY has a population of 30,349 and is situated on the seacoast about 15 miles away from Cannanore. From a commercial point of view the town occupies the foremost place in North Malabar.

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PONDICHERRY.

PONDICHERRY is the headquarters of the French Possessions in India and is situated about 150 miles south of Madras. It is the centre for exporting groundnuts and has three up-to-date cotton mills equipped with 72,944 spindles and 1740 looms all the products being exported to the French Possessions. There is a bonemill factory and all the different mineral oil companies have their storage tanks here.

The chief exports are shelled groundnut, textile manufactures, rice, onion, mangoes, provisions, living animals, earthenware, betelnuts, and bone-meal manure. The principal articles of import are raw cotton, cotton manufactures, sugar, metals and ores, betelnut, paper, flour, coffee, cement, and other building materials, wines and spirits by sea and coal by land. Gunnies, and petroleum form the other imports by land. The imported spirits are free from any duty and the town has therefore an increasing trade in oils, spirits and wines.

Exports to foreign countries amounted to Rs 188 lakhs during 1932-33 while coasting imports during that year were valued at Rs. 51 lakhs.

RAMNAD DISTRICT.

The district has an area of 4,838 sq. miles and a population of 18,38,360. The inner parts are hot and dry, but the coast is cool. Rainfall averages 31" annually.

Of the industrial crops paddy occupies a comparatively small area but groundnut and raw cotton are produced here to a very considerable extent mainly for export. The season for these products commences from April and continues as far as December.

Area under crops in 1935-36.—Rice 387,000 acres, jowar 78,000 acres, bajra 169,000 acres, marua 97,000 acres, other grains and pulses 190,000 acres, sesamum 30,000 acres, castor seed 1,000 acres; groundnut 35,000 acres, coconuts 4,000 acres, total oil seeds 70,200 acres; condiments and spices 26,200 acres, other sugar bearing palms 2,000 acres, cotton 251,000 acres, tobacco 1,700 acres, fodder crops 52,000 acres, fruits and vegetables 11,000 acres.

The chief industries of the district are pressing, ginning and weaving of cotton, and PARAMAKUDI (16,113), ARUPPUKOTTAI (population 33,848), RAMNAD are places important for the weaving industry and the sale of cloths. In these places ordinary dhotis and sarees both of silk and cotton are woven. Paramakudi and Ramnad sarees are very famous and are known in other districts as "Madura Cloth." At ARUPPUKOTTAI there is not a house without a loom and almost all the sarees that appear in the market in the type of the silken ones of Madura, Kumbakonam, and Conjeevaram patterns are the production of Aruppukottai. At this place a special kind of sari is manufactured with the mixture of cotton and silk. These goods have been sent on a very enormous scale to Colombo, Rangoon, Singapore, Penang, Malacca and other places through Madras, Tuticorin and Dhargerkodi. Extracting oil from groundnut is largely carried on, and silk weaving is practised at PARAMAKUDI and RAMESWARAM. Dyeing of fabrics is carried on extensively. Brass and bronze vessels are manufactured at PULUYAVAI and coir at SINGAMPUNERI in Tirupattur taluk. Tiles are manufactured at PUDUPATTI in Srivilliputtur after the Mangalore pattern. There are oil and cotton mills.

Tobacco and oil cakes are also exported from here to foreign ports. Negapatam, Tuticorin, Madras and Pondicherry are the chief ports through which these goods are sent. Almost the whole groundnut crop and tobacco produced in these parts are exported through Negapatam and Madras only.

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TENKATAGIRI has a population of 15,372 and that of **ALLUR** is 10,094.

NILGIRIS (THE) DISTRICT.

This district has an area of 10,009 sq. miles and a population of 1,69,246. The indigenous tribes speak Toda, Kota and Badaga but Kanarese, Tamil and Malavalam are in common use.

There are a number of picturesque water falls, but they are not of great depth or volume. Kalakambe, the highest among them, has an unbroken fall of about 400 feet.

The interior of the plateau consists chiefly of grassy undulating hills divided by narrow valleys containing, as likely as not, a stream or a swamp. Small beautiful woods, locally known as sholas, nestle in the hollows of the hill sides. So much variety of beauty is seldom found in so small a compass. Tea and coffee are grown in the district; chinchona is grown on the hill sides.

The climate (or rather climates) of the **NILGIRI HILLS** which varies (or vary) in each hill and valley according to variation in exposure to the monsoons, elevation or other local causes may be generally said to be dry, bracing and exhilarating for the greater part of the year, being more equable than those of Europe. The maximum range of the thermometer is only from 8° to 9°F at Ootacamund and found in so small a compass. Tea and coffee are grown in the district. Chinchona is grown on the hill sides.

OOTACAMUND (population 24,616).—This Queen of Hill Stations is the chief town of the Nilgiris district and the summer headquarters of the Madras Government. The lands of these slopes are generally very fertile and well-watered and a considerable and yearly expanding area is cultivated as garden land. There is a Government chinchona plantation here. The hills abound in woods of eucalyptus, acacia, cypress and pine. Some eight thousand people congregate in the chief bazar on the border of the lake and about half the number gather in Kandal, a bazar in a small valley to west of the station.

COONOR (population 14,326).—It is an ideal resort for those about to retire, has an equable, salubrious and mild climate and is agreeably sheltered from south west monsoon. Its vegetation is semi-tropical. A few miles away from Coonoor big games of every variety are to be found, while the surrounding reserve forests provide the Shukari with small game. The climate is particularly favourable for the cultivation of flora of all kinds and the soil is particularly good for roses. The Agri-Horticultural Poultry and Animal Show held here in June every year is considered one of the best shows in Southern India.

KOTAGIRI—It is still considered as possessing a better climate for invalids than Ootacamund or Coonoor. The station is chiefly occupied by planters and produces tea, coffee and oranges of superior quality in abundance, while during the months of July, August and September there is a considerable supply of potatoes, peas, apples and other fruits.

WELLINGTON.—Situated in the Merkanad division, it is the Convalescent Depot for the British troops in Madras. The soil in and about Wellington is of a rich red ferruginous clay resting on granite base with sienite in many places, and feldspar, mica, and veins of quartz, flint and amethyst appear to be embedded in the granite, sienite or gneiss, in the form of crystallized silica. Eucalyptus, cypress and jungle wood trees grow in plenty.

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wood, acha, satinwood, tamarind trees (at the foot of hills) are found here. Magnesite is mined, among other minerals mention may be made of gold, iron, saltpetre, mica, corundum, rubies and crystalline limestones

The chief industry is weaving (pure silk and good white-cloth in every village and at Salem city), carpets and coarse blankets are woven by shepherds in several places in the district. There are several tanneries at TIRUPPATTUR and at VANIYAMVADI Sugar and jaggery are manufactured in some parts and brass and copper vessels are manufactured at RASIPUR There are pot-stone quarries in the TIRUCHENGODA Taluk.

The exports are rice, wheat, castor seed, castor oil, ghee, cloth, betel leaves, plantains, arecanuts, tamarinds, mangoes, coffee and cattle, the chief imports are salt, pepper, tobacco, yarn, groundnuts, etc Internal trade is carried on by weekly markets (in every large village).

Sheep, poultry, pigs, and cross-bred cattle are reared at Hosur.

SALEM CITY has a population of 102,179 It is the headquarters of the district and has a municipality Salem a large weaving centre with over 30,000 looms, is famous for its cloths which are used all over the Presidency There are iron and chrome ore in Kanjamalai, manganese ore near Chalk hills, and mica ores near Edapadi, at Hohanickal on the Kaveri in Dharampuri taluk and in Kallimpalai hills near Namakkal, of which the latter is being worked to supply electricity to Trichinopoly. Salem is an exporting centre for cotton, groundnut, groundnut oil, ghee, gingelly, mangoes, betel, dhal, etc

Important centres in the district (besides Salem City) are DHARAMPURI (14,815), RASIPUR (14,438), SENDAMANGALAM, ATUR and TIRUCHENGODE Madras Railway traverses the district, which is well served with railways and good roads In several parts of the district there is motor-bus communication also

TANJORE DISTRICT.

The TANJORE District is thickly populated, having a population of 2,385,920 in an area of 3,742 sq miles The climate of the district is healthy. The average annual rainfall is about 44" Language Tamil.

Metal work and weaving of various kinds are the chief industries. Silk and cotton are woven in TANJORE, AYYAMPET, KUMBAKONAM and KORANAD. The artisans of Madura make brass, copper and silver ware, bell-metal (at PISANATTUR), pith models and toys Metalwares are manufactured in KUMBAKONAM and MANNARGUDI, and native jewellery, pith toys, lace work and embroidery at TANJORE

The chief exports (inland) are rice, betel-leaf, groundnut, oil, metal vessels and cloths and imports are gingelly and cotton seed (Mysore), kerosene oil, tamarind and timber. Ghee, chillies, pulses, lamp-ore are the other imports from neighbouring districts

TANJORE (66,889), a Municipality, is the headquarters of the district It is an important railway junction. There is a big temple at Tanjore which is sacred to the Hindus and is of archaeological interest

In Tanjore eye-glasses are shaded out of vallam pebbles In Anikaran Chattram rattan articles and mats are manufactured. Mats are woven in the villages near Muthupet Fine paper models of dogs and other animals, soldiers, famous personages, etc to life size are done at Kotturumalam Ambal Post, 2 miles east by Puthottam Railway Station in Nannilam Taluk.

NAGAPATAM (48,527) is the principal seaport of the district, carrying a large trade with Ceylon, the Straits Settlements and Burma

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Machineries, metals, cotton manufactures and other multifarious necessities and luxuries come here from Japan and China, England America and Austria. Plenty of arecanuts come to the markets from Java through Colombo and Dhanuskodi.

KELAKADU is famous for gingelly seed. TIRUPULUM, VIRIDUNAGAR (population 33,081), TIRUMANGALUM are also other places of importance for this seed. Generally the local produce is reserved wholly for local consumption and the additional supply is obtained from other parts. But the gingelly seed of KELAKADU is used by almost all the country mills of RAMNAD TOWN (population 16,817).

The local merchants obtain ghee from Trichinopoly, Salem and Coimbatore districts and it is always much cheaper than the local cow's ghee. Tirumangalum ghee is also coming to the market in tins. It is better than the tinned ghee of Salem and Coimbatore but undoubtedly worse than the local cow's ghee.

Groundnut oil is very greatly used by almost all classes of men in these parts. VIRIDUNAGAR, ARUPPUKOTTAI, TIRUMANGALUM and SATTUR are some of the places which supply groundnut, for extracting groundnut oil. This oil is often mixed with the gingelly oil and sold as gingelly oil at a cheap rate. Coconut oil is generally not very much used by the people here but greater part is consumed by the people of Tinnevely district.

The chief ports are PAMBAN, KILAKARAI, TONDI, DEVIPATTANAM, DHANUSHKODI. The total value of the foreign trade claimed at DHANUSHKODI port in 1935-36 was Rs 166 lakhs. Exports consist chiefly of turmeric, fish, fruits and vegetables, rice, leather, bones, brass manufactures, oil cakes, tea, piecegoods, carpets and rugs and cigarettes, while the chief imports are coffee, fresh fruits and vegetables, apparel, hardware, raw hides, raw skins, betelnuts, sugar, cotton goods, and gunny bags. There is almost no coasting trade.

RAJAPALAIYAM (population 38,693), SRIVILLIPUTTUR (population 32,385), TIRUPATTUR (10,644), DEVAKOTTAI and KARAIKUDI (21,672), are the centres of the wealthy trading community of Nattukottai Chetties and VIRIDUNAGAR, SIVAKASI (20,393), and SATTUR (15,212) are the chief centres of cotton trade. SIVAGANGA has a population of 11,393, RAMESWARAM is a place of pilgrimage much resorted to by people from all parts of India.

Cattle fairs. (1) Kenniseri cattle fair, Sattur Taluk—about 3 miles from Tulukkapatti Railway station, held in the months of May-June each year. (2) Kalayar Kottai—Sivaganga Taluk held during May-June when a cattle fair is held.

SALEM DISTRICT.

The district occupies an area of 7,259 sq miles and is inhabited by 24,33,577 persons. Three distinct tracts, Balaghat, Baramahal, and Talaghat form the district, and are alternately a tableland, a descent and a level country. There are four rivers of which the Kaveri is important, the Vekar, the Ponnaiyar and the Polar being the others. The climate of the district varies according to elevation from pleasant to moist and oppressive heat. SHEVAROY a hill station, has the coolest climate and YERCAUD on it is a sanatorium. Average annual rainfall amounts to 35".

Prevailing soil is red sand and the crops raised are ragi and cambu. Rice, plantain, sugarcane, arecanut and coconut are also grown.

But groundnut is the industrial crop. Coffee and rubber (at the Shevaroy Hills), indigo and mulberry are also grown. Teak, black-

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of articles of trade The district is connected with the Travancore State by the South Indian Railway.

TINNEVELLY (the headquarters) has a population of 57,073. Jaggery and sugar trade here is considerable. Some timber trade exists (from Shencottah in Travancore).

PALLANKOTAH (population 56,990) stands on the opposite bank of the Tambraparni River.

TUTICORIN (60,395) is a town and a growing port in the Tinnevely district, about 500 miles from Madras city. It is one of the largest ports in the Presidency and is the southern terminus of the South Indian Railway. It ranks next to Madras city in importance in the Presidency. Cotton, palmyra fibre and sunn hemp, etc. are available. There is a cotton mill here.

The volume of the trade of the port is steadily growing. The principal articles of export are raw cotton, live animals, coffee, cotton piece-goods, drugs and medicines, oil-cake, rice, hides and skins, spices, and tea. Raw cotton makes up nearly half the total value of the export trade of the port, which conducts about three-fourths of the trade of the Presidency in this article. Cattle and goats are exported to Ceylon while cotton is sent to many parts of Europe and Asia. Tuticorin has the largest export of chillies in the Presidency, while it comes next to Cochin in value of its export trade in tea. A large quantity of rice is annually sent to Ceylon. The chief items of import are European cotton twist and yarn and piece-goods, petroleum, machinery, hardware, and cutlery, arecanuts and timber. Total trade at the port amounted to Rs 9.46 lakhs of which foreign trade was responsible for Rs. 3.07 lakhs and coasting trade for Rs. 6.39 lakhs.

KULASEKHARAPATNAM (population 11,114) —The port handles considerable foreign trade. Its coasting traffic consists chiefly in imports from other Madras ports and exports to them. In 1933-34 the total foreign trade of this port amounted to Rs 86,000, imports claiming Rs. 16,000 and exports Rs 70,000.

PAPANASAM—Six miles from Ambasamudram it is a place of pilgrimage where during Chittai Vishu and Adi Amavasa large numbers of pilgrims congregate.

BHANA TIRTHAM is another place of pilgrimage. There is a grand waterfall at the foot of the Western Ghats and 12 miles from Ambasamudram.

Other important centres of trade are: TENKASI (27,338), KADAYANALLUR (23,819), PULIYANGUDI (21,173), SURANDAI (15,728), TIRUCHENDUR (15,328).

TRICHINOPOLY DISTRICT.

The TRICHINOPOLY district is dry and rather healthy. Average rainfall is 38". The area of the district is 4,319 sq miles, population, 1,902,338, and language, Tamil.

Chief crops are rice, jowar, bajra, marua, grains and pulses, sesamum, groundnut, condiments and spices. Coconuts grow abundantly in the district.

The chief minerals are gypsum and phosphatic nodules.

Weaving is the chief village industry and there are 10,000 looms in the district. Cigars are manufactured in the town of TRICHINOPOLY. Cotton and silk cloth are woven.

Internal trade is carried on through weekly market, and ARIYALUR, PERAMBALUR and TURAIYUR are important trade centres. Other important places in the district are LALGUDI where brass and copper idols are made; KULITHALI, UDAYARPALAIYAM; SRI-

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It exports cotton piecegoods, livestock, ghee, cigar, tobacco and skins. Exports of groundnuts during 1936-37 amounted to 32,982 tons and were valued at Rs 36 lakhs. Imports through Negapatnam are areca nuts, timber, cotton piecegoods and gunny bags. The imports consist chiefly of apparel, cigarettes, furniture, gums, betelnuts, cotton goods.

Table below illustrates the sea borne trade done at the port —

| | 1932-33 | 1933-34 | 1934-35 | 1935-36 | 1936-37 |
|--------------------|-------------|-------------|----------------------|-------------|-------------|
| | | | (in lakhs of rupees) | | |
| Foreign Trade | 79 | 79 | 75 | 75 | 130 |
| Coasting Trade | 27 | 23 | 32 | 33 | 40 |
| TOTAL TRADE | 1,60 | 1,02 | 1,07 | 1,08 | 1,70 |

Other principal places of note in the district are (1) KUMBAKONAM (62,317), a municipality on the Kaveri, (2) MAYAVARAM (31,887), also a municipality (3) MANNARGUDI (22,764), and TIRUVALLUR (20,371). All these places contain temples of archaeological interest and are sacred to the Hindus, besides being centres of trade.

A big cattle fair is held at NEERATHANALLUR 6 miles north of Kumbakonam, in February every year. VEDARANYAM is famous for its temple and is a sacred place of pilgrimage for the Hindus. It adjoins Point Calimere.

TRANQUEBAR, TOPPUTURAI, ADIRAMPATNAM (10,893), TIRUMULAVASOL, AMMARATNAM are seaports. ADIRAMPATNAM has considerable foreign and coasting trade. Figures for its foreign trade in 1929-30 were imports Rs 37,998 and exports Rs 10,27,776.

The district is served with a network of railways besides having over 2,275 miles of road, of which 29 miles are metalled.

TINNEVELLY DISTRICT.

The TINNEVELLY district is well-clothed with forest, having an estimated area of 504 sq miles of Ghaut forest. Its area is 4,325 sq miles, population 1,901,396 and language, Tamil. Average annual rainfall is 27". The chief crops grown are cholam, cambu, paddy, cotton, samai, gingelly, palmyra palm (collection of its leaves constituting the means of livelihood of many people of the district).

The chief industries of the district are pressing, ginning, spinning and weaving of cotton and manufacture of jaggery. Cotton goods are manufactured in the mills at TUTICORIN, KOILPATTI (population 10,589) and PAPANASAM, VIRAVANALLUR (population 17,682) and KALLIDAI-KURCHI (17,074) are also important weaving centres in the district. Brass and bell-metal industries thrive at MANNARKOVIL and VAGAIKULAM. There are a large number of cotton ginning and pressing factories. Mats of Korai grass of fine texture are manufactured in AMBASAMUDDRAM taluk, the finest mats being those manufactured at PATTAMADAI. Extraction of fibre, manufacture of mats and baskets from palmyra leaves, fish curing, sugar refining, metal work and salt making are other minor industries of the district. Pearl and chank fisheries in the Gulf of Mannar are undertaken by Government. Population of Ambasamudram is 15,602.

The chief exports from Tinnevely are cotton, jaggery, chillies, tobacco, palmyra fibre, salt, dry salted fish and cattle and the imports are cotton twist and yarn, piece-goods and kerosene oil.

The three important seaports in the district are TUTICORIN, KULASEKHARAPATNAM and KAYALPATAM. Road traffic is considerable. Weekly markets are held for collection and distribution.

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MARKET PLACES OF THE MADRAS PRESY. 381

VIJIANAGRAM (44,696) —It is also a municipality and is rapidly growing second largest town in the district, it is a centre of considerable trade in agricultural products. It contains several tanneries.

ANNARKAPALLE (23,376) —It is also a municipality and is a growing and rising centre of trade in agricultural produce. It is noted for manufacture of coarse cloths and jaggery and exports a considerable quantity of jaggery cloths and grain to other places.

BIMLIPATAM —It is a small port. It is famous for jute of an inferior quality, and the name stands for one of its trade varieties. The jute is probably hemp (sunn) and misnamed as such. The chief exports from the place are gingelly and gingelly oils, hides, skins, seeds, jute, indigo and myrobalans. Exports of groundnut during 1935-36 were valued at Rs 29 lakhs. The principal imports are cotton twist, yarn and piece-goods. There are two jute and gunny bag factories, managed and established by the Europeans. Though small, the port has both foreign and coasting trade of some importance.

BOBBILI (population 20,544) —The place has brisk trade in grains and pulses during season.

NARASAPATNAM —It has a population of about 14,005 and is a centre of trade with the hills to the north.

LINGAMPETA —A market place in the Narsapatnam Taluk where an annual fair is held on Telegu New Year's Day. Brass and brown vessels and cloths are sold.

PALKONDA —It is a place of much local importance and has a population of about 10,000. The surrounding country is very fertile and rich agricultural products are obtained. Besides paddy and other cereals, sugarcane is also cultivated here.

PARYATIPURAM (population 17,434) —The place is a rapidly growing centre of trade with the hill and the low country. Hill products and agricultural products are available here at cheap prices.

SIMHACHALAM is a famous place of pilgrimage. Thousands of pilgrims flock to the ancient temple of this place during the Kalyanam festival in April and Chandana Yatra in June. It is only 10 miles from Vizagapatam.

PUNYAGIRI is another sacred place of pilgrimage during the Sivaratri festival. The temple is built on a hill.

SALUR is a municipality with a population of 17,899 and **YELLA-MANCHILLI** is peopled by 11,763 inhabitants.

WEST GODAVARY DISTRICT.

The district of **WEST GODAVARY** lies to the West of Godavari East District. The language spoken is Telegu and Yerikala.

Chief crops in the district are rice and pulses. Other crops include Jowar, grains and pulses, sesamum, fruits and vegetables, condiments and spices are grown on a large scale. Coconuts grow over 52,000 acres. Betel, plantain, arecanut, turmeric etc are also grown.

PENUGONDA —It is a municipality with a population of 16,613. **TUNI** has a population of 11,567.

BEDADANURU —It is the centre of a small coal field where the Barakar stage of sandstone is found over an area of about 5½ square miles. This is the only coal field lying entirely in the Madras Presidency.

ELLORE (population 35,000) —The grain trade of the place is noteworthy. Cheap carpets of foreign design are made here and it has a good trade in them. Finer qualities of carpets are also obtainable if previously advised. There is a jute mill in the town. The place is connected by canal with Godavari and Krishna rivers and attracts a good deal of trade.

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RANGAM (24,663), famous for its Vishnu Temple; **CHETTIKOLAM**, pilgrims flocking every year to the Subramanya Temple on the top of a small hill for the Panguni Uthiram Festival, held in March and April, and **SIRUVACHUR** where to the sacred temple of Madura Kalliamman pilgrims similarly congregate every year in May and June during the Car festival.

At about a mile away from **KARUR** (population 19,850) a large number of pilgrims assemble during festival in Purathasi.

The chief exports are paddy, cotton, groundnuts, plantains, coconuts, betel leaf, etc, silk and cotton turbans, fine and coarse cotton fabrics, carpets, blankets, bangles, shoes, tanned skins, castor oil, oil-cake, saltpetre, stone, cigars, soap, buffaloes, sheep and goats. The most important of the imports are good cloths of silk and cotton both for male and female wear, carpets, household vessels and utensils, raw hides, bangles, glassware, raw tobacco and ploughing cattle.

TRICHINOPOLY—This with a population of 142,843 constitutes the third largest city in Madras. An important railway junction, a military cantonment and a municipal town, it is a centre of considerable trade. It is the centre of cigar-making industry and a great educational centre.

VIZAGAPATAM DISTRICT.

The district of **VIZAGAPATAM** lies on the western shore of the Bay of Bengal over an area of 4,568 sq miles and has a population of 2,231,874 who speak Telugu. It has a coast line of eleven miles. Average rainfall is 40"

All the principal food crops are transplanted in this district and except in **PALKONDA**, double crops of paddy are rare, the wet fields being utilised after the removal of the paddy for growing green gram or a variety of garden crops and vegetables. Numerous varieties of paddy, differing from taluk to taluk, are grown.

The art industries of the place are insignificant. Ornamental articles of ivory, tortoise shell and horn are made. **Golconda** contains the largest number of looms and handmills, tanning of hides and skins is carried on in several tanneries round **VIZAGAPATAM**. Manganese industry is carried on by the **VIZIANAGRAM** Mining Co at **NELLIMARLA**, **GAJAPATINAGARAM** and **CHIPUMPALLI**.

VIZAGAPATAM (57,303), a municipality and the headquarters of the district, is a flourishing seaport. It has recently been declared a major port to meet the demands of the Central Provinces. It is a port of call for all ocean-going and coastal traffic steamers. The chief exports to Vizagapatam include manganese, groundnuts, myrobalans, hides and skins. Exports of groundnuts during 1935-36 were valued at Rs 21 lakhs. There is considerable trade in cooly rice with Burma during the seasons of plantation and harvesting. The chief imports are cotton twist and yarn and piece-goods, iron, timber, etc. But the place receives its imports mainly through Madras and Calcutta. There is a sugar factory here. It has both foreign and coasting trade. Chief import is sugar. Myrobalan, manganese ore, groundnut, niger seed and jute are the chief exports. The nature of the trade transacted in this port will appear from the following table—

| | 1932-33 | 1933-34 | 1934-35 | 1935-36 |
|--------------------|----------------------|-----------|-------------|-------------|
| | (in lakhs of rupees) | | | |
| Foreign Trade — | 42 | 47 | 85.5 | 1.40 |
| Coasting Trade — | 31 | 22 | 47.5 | 32 |
| TOTAL TRADE | 73 | 69 | 1.33 | 1.72 |

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115,000 acres, gram, 1,457,000 acres, linseed, 542,000 acres, rape and mustard 559,000 acres, jute 221,000 acres, cotton, 31,000 acres; tobacco, 140,000 acres, condiments 91,000 acres; fruits and vegetables 581,000 acres

Rice is grown wherever rainfall is abundant, i.e., in N. Bihar and in the valleys of Chotanagpur. In the hill sides millets and pulses are raised. In W. Bihar the practice of growing several crops in the same field together is still carried on, e.g., gram, wheat, sesamum and linseed are grown together in the same field at the same time.

Maize is grown in Bihar and Chotanagpur, wheat, barley, gram, marua, jowar, bajra, are also grown. Cereals and pulses receive more attention than others. Peas, kalai, kulthi, khesari, arahar, gondli, kodan urid are the cereals grown. Tea is grown in the Ranchi and Hazaribagh districts. Among other crops special mention should be made of tobacco and indigo which are of great economical value to Bihar. Lac is found all over Chotanagpur, Santhal Parganas, etc.

Jute is grown in Northern Bihar. Chillies of N. Bihar and tobacco of the Monghyr district are celebrated. Oil seeds are largely cultivated, specially til, castor and sarguja. Poppy is grown in W. Bihar and Chotanagpur. Sugarcane is largely cultivated in N. Bihar and a large number of sugar factories (about 16) have grown up here. The sabai grass of santhal Parganas and Ranchi are sought after by paper mill owners.

The districts where the crops grow abundantly are given below: Rice—Bhagalpur, Muzaffarpur, Ranchi, Wheat—Shahabad, Monghyr, Muzaffarpur, Gaya, Barley—Champaran, Muzaffarpur, Saran; Cholum—Patna, Cambu—Santhal Parganas, Ragi—Darbhanga, Bhagalpur, Maize—Muzaffarpur, Monghyr, Saran; Gram—Shahabad, Gaya, Patna, Monghyr, Cereals and pulses—Shahabad, Gaya, Monghyr; Linseed—Shahabad, Champaran; Sesamum—Palamau, Rape and mustard—Purnea, Bhagalpur, Darbhanga; Sugarcane—Saran, Muzaffarpur; Cotton—Ranchi, Saran; Jute—Purnea, Tobacco—Muzaffarpur, Purnea, Darbhanga; Fruits and vegetables—Saran, Muzaffarpur.

Almost all the fruits found in Bengal are obtained here. Mangoes of Darbhanga and lichees of Muzaffarpur are famous. Cauliflowers of Bihar have good reputation.

There is provision for irrigation in the Shahabad and Gaya districts.

Son Canal:—The length of the Canal channels and distributaries totals 1,587 miles. The Canal begins at a weir across the river Son at Dehri, 65 miles from its confluence with the Ganges, and bifurcates into two short canals, the Western Main and the Eastern Main, 21 and 7 miles long respectively, taking off from either side. The main canal is navigable for a distance of over 127 miles. The Western branch serves two navigation channels, the Buxar and Arrah Canals, and the Eastern, the Patna Canal. From these five main channels a net-work of distributaries spreads over the area commanded, irrigating vast tracts of rice and sugarcane. Over 1½ million acres, of which over 1 million are cultivable and 870,000 irrigable, are irrigated by this system.

The canals have brought about a complete change in an area which was formerly subject to acute famine. During the last five years, nearly 600,000 acres a year have been irrigated. Rice is the principal crop, occupying 4/5th of the entire area irrigated by the Son canals.

A remarkable feature has been the increase in sugarcane cultivation and expansion of the total sugar industry in the province. Sugar-

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MARKET PLACES OF BIHAR.

THE province of Bihar comprises Bihar and Chotanagpur which differ widely in their physical features. The total area of the province is about 83,000 square miles and its population is according to 1931 Census 32,289,958 divided as follows Bihar, 25,650,917 and Chota Nagpur, 6,639,041. Under the new constitution of India, Orissa is made into a separate province under a Governor.

Bihar extends from the foot of the Himalayas to the bank of the Ganges and is separated from Orissa by the crystalline plateau of Chotanagpur. It is an alluvial river plane watered by the Ganges and its tributaries Sone, Gondak, Gogra, and Kusi. It suffers from extreme temperatures. The only marsh is in Champaran, covering an area of about 140 sq miles. Trees are plentiful in the northern parts.

Chotanagpur is bounded by the Rajmahal Hills in the east and comprises an upland tract of hills and plateaus, covered with forests in which the sal predominates. It is a tangled mass of rock and forest. The sub-province is watered by the Damodar, the Kassa, and the Subarnarekha.

Bihar is divided into two parts by the River Ganges, which traverses it from west to east.

The northern portion consists very largely of an extensive fertile plane which slopes down gradually from the foot of the Himalayan range of mountains towards the River Ganges, where the land is some what elevated. The greater portion of the soil is of a yellowish clay colour, but in some parts the land has been defaced by the numerous rivers and streams which rush down from the Himalayas and have carried with them a considerable quantity of silt and sand.

On the southern side of the Ganges the effects of the Himalayan effluents are not so apparent as in the northern portion, especially towards the eastern boundary, where the undulating and sometimes hilly section of the Choto-Nagpur division defeats the action of the fluvial torrents.

The principal river is the Ganges, which flows into the province from the United Provinces and which during its course in an easterly direction to Bengal receives water from the Gogra, the Sone, and the Gandak, all of these being important waterways.

The forests of Behar under Government control are about 3,700 square miles in extent and these are supervised by a conservator, and his staff.

Agricultural pursuits occupy a most prominent position among the industries of the whole province, and the principal crops are rice, jute, cotton, indigo, wheat, barley, maize, oil-seeds, sugar-cane, tobacco and a number of indigenous foodstuffs. The total area under various kinds of bhadoi or non-food crops, such as jute, indigo, early cotton and others is about 793,600 acres in extent, while that under cultivation for rabi crops comprises about 9,344,000 acres.

Crops:—Total area cultivated in this province is about 30 million acres of which rice claimed 10 million acres, wheat 1,143,000 acres, barley, 1,472,000 acres, jowar or cholam, 88,000 acres; bajra or cambu, 68,000 acres, maize, 1,654,000 acres, sugarcane 460,000 acres, sesamum

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which includes scholarships for technical education and for Harijans, Rs 24,000 for provision of boats for emergency flood relief in Tirhut Division. Discretionary grants of the Governor, Ministers, Commissioners have been increased to a total of Rs. 1,20,000. Half of the total sum of Rs 60,000 for rural water supply for Harijans.

The Finance Minister said the surplus of Rs 12½ lakhs was no cause for elation as it resulted from a very low standard of expenditure. There was no time for them to prepare a fresh budget and so the Interim Ministry's budget, which was already in proof, was adopted with slight variations.

Bihar Unemployment Committee:—The Government of Bihar has issued a communication on the action taken to give effect to the recommendations of Bihar Unemployment Committee, some information from which is given below —

It is stated that the Information Bureau, which was originally started with a view to helping Bihar young men with technical and scientific qualifications in securing employment by bringing them in touch with the industries of the Province, has since been enlarged and posts requiring general qualifications have also been included in its scope. Steps have also been taken, or are under consideration, for the establishment or promotion of cottage industries such as the making of glazed pottery, cane-work, basket-making, celluloid work and pith-hat making, besides the addition of other features to the Cottage Industries Institute. A marketing scheme calculated to assist in the development of the woollen industry has been started — with a grant from the Government of India. Headmasters and principals of schools will be required to keep records of their passed students, and orders have been issued to district officers to prepare statements showing the position of the different local industries, the extent of the raw materials and skilled labour available as well as particulars of the import, export and consumption of various manufactured commodities. The Government is also considering amendment of the State Aid to Industries Act and Rules to authorise the acceptance of personal security of a third party and a lower rate of interest in the matter of loans for the development of cottage and small industries.

Transport:—The E. I. Ry., B. N. Ry., B. & N. W. Ry., B. B. Ry., etc., are the chief railways. There are about 4,000 miles of railways in the province besides 4,000 miles of metalled roads and about 26,000 miles of unmetalled roads. There are more than 500 miles of navigable canals.

It is understood that Messrs Nirmal Kumar Jain and Company, have completed all arrangements for the installation of an up-to-date plant for the production of Aluminium Sheets and Circles in the coal-fields.

BHAGALPUR DISTRICT.

The BHAGALPUR district contains a population of 2,234,623 who speak Hindi, in an area of about 4,226 sq miles. Average rainfall is 43".

Acres under crops in 1934-35 — Rice 915,000, wheat 87,300; barley 43,900; ragi 89,500, maize 82,000, gram 77,300; cereals and pulses 283,900, linseed 66,000, rape and mustard 68,600, castor 17,100; sugarcane 14,300, jute 5,000; tobacco 2,100, fruits and vegetables 7,500.

Several minerals are found in the district, as sulphurate of antimony, copper, which exists in the Southern hills in various forms; and iron ore which is very largely distributed but is not worked owing to the difficulties of procuring sufficient fuel, and a good flux.

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cane valued at about Rs 18½ lakhs is now grown in the area irrigated by the canals. Four sugar factories have recently been established, that at Dehri being the largest in India.

Cattle—Patna, Sitamarhi, Bachaur, Bhagalpur are the breeds of cattle. A large number of cattle and horse fairs are held in the province, noted amongst them being those at Sonepur and Sitamarhi.

Minerals—The province is very rich in minerals. Coal is the chief mining article, Dhanbad, Giridih, and the Jharia field being the most important. Coal deposits also exist along the valley of the Mahanadi, notable in Telchar. There is also a large coal supply in the district of Palamau. During 1936 Bihar was responsible for 12,015,205 tons of coal which represents about 56 per cent of the total production of coal in India. Gold-bearing sands are met with in the river beds of the Subainarekha. Hazaribagh and surroundings supply the world's demand of mica. Mica is also quarried in the Gaya district. The centre of the industry is however at Giridih and the products are sent down to Calcutta. North Bihar is the chief source of saltpetre which is obtained on a large scale in Patna Division and Monghyr. Salt is quarried at Monghyr and ballast in the Raymahal hills. Abundant limestone is available at Monghyr and also in the districts of Palamau, Singhbhum, Gangpur, and Santhal Parganas. Singhbhum has extensive iron deposits which are worked at Jamshedpur by Tata Iron and Steel Works. In fact the Singhbhum mines produce nearly the whole of the iron ore of India. Granite occurs in Gaya and Hazaribagh and soapstone is found at Manbhum. Copper and lead ores are also found. Manganese is mined to some extent. Deposits of slate, steatite, fireclay, china clay, sandstone and apatite are developed in various parts of the province. Singhbhum and the neighbouring state of Khasiawan are the principal sources of Kyanite in India. Singhbhum also produces small quantities of gold.

Industries—Cloth weaving is the chief home industry. Tassar silk is woven in Bhagalpur. Cotton carpets and also woollen carpets are woven at Obra in the Gaya district. Silver and gold work of Kharakpur in Monghyr are famous. Iron workers of those place are also noted. Stone carving is done at Gaya, glassware at Patna and bracelets of coarse glass are made at Bhagalpur. Carpenters of Bihar and skilled workmen. Potteries are made in the Bhagalpur and Manbhum districts. Oil mills flourish greatly in the districts of Santhal Parganas and Bhagalpur. Rice milling is also practised on a large scale, there being 83 mills in the province. Jute mills have lately been founded at KATIHAR and DARBHANGA. Steel is manufactured at Jamshedpur, the production during 1935-36 being 900,000 tons of big iron and 880,000 tons of steel ingots.

Factories—There operate 309 factories in Bihar and Orissa, the most important of them being iron and steel factories at Jamshedpur, lac factories, indigo factories, sugar mills, oil mills, match factories, etc. Of them 243 were perennial and 66 seasonal, 86,327 persons were employed.

Budget—The Revenue receipts for the year 1937-38 were estimated at Rs 4,95,00,000. This sum, together with eleven lakhs representing the excess of recovery of loans by the Provincial Government during this year, was available for expenditure charged to revenue. The Budget provided for expenditure charged to revenue to Rs 5,03,34,000. The Budget was therefore a surplus one.

Among provisions for new schemes are a sum of over three lakhs by way of assistance to the District Boards for water supply, drainage, anti-epidemic measures, etc. one lakh for the Education Department.

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interior and are exported from this place. The potato trade of the place during October with Calcutta is worthy of notice. The business of the place is brisk during season. Fish is also sent away during winter in enormous quantities.

Other important commercial centres where wheat, grains, oil seeds, pulses are largely obtainable, are PIRPAINTI, BANKA, MADHIPURA, THANA BIHPUR, etc.

Cattle Marts and Fairs in the District are—Sultanganj, Maghi-Purnmashi, February every year. Bihpur, Bhadi Purnmashi, Marwa Mahadeo Temple Mela, August or September every year, Dashara Mela at Bhamarpur, Tetri, Naugachia, Kharik, September or October every year, Shobrat Mangan Shah Dargah at Milki, December or January every year. Sadar, Moharam Mela, February or March. Madhipura, Singheshwar Than Mela, 14th day of Phalgun every year. Supaul, Kabilas fair, Pous Purnmashi. Banka, Baunsi Fair, January every year. Colgong, Maghi Purnmashi Mela at Tintanga and Bateshar, February every year. Madhipura, Singheshwarthan, 14th day of Phalgun and the few days preceding and following it every year.

Weekly cattle hats are Colgong, Nandlalpur Hatia, Sanhawla Hatia. Bhagalpur Motassil Baluachak Hatia, Goradhi Hat Banka, Barahat, Amarapur, Bhairko, Rajoun, Nawada, Belhar, Sahebganj—Every Sunday and Tuesday in a week.

CHAMPARAN DISTRICT.

CHAMPARAN occupies an area of 33,831 sq miles in the Tirhoot division and contains a population of 21,149,302. Most of the CHAMPARAN district consists of alluvial plain excepting some 15 miles along the borders of the Himalayas. The Someswar range is well wooded. Rainfall averages about 56".

The chief crops grown are rice, barley, maize, wheat, pulses and indigo. Oilseed, thatching-grass, poppy and sugarcane are also grown. There is abundant pasture in BAGHA and SHIKARPUR which attract from the surrounding country. Catechu is obtained from the forests of BETTIAH. Large cattle fairs are held annually at MADHUBAN and BETTIAH.

Coarse cotton cloth is woven. Weaving of blankets and rugs, and pottery making are the other industries. The district was once famous for its indigo, but the industry is gradually declining. Sugar making is the prominent industry. Rice milling is done. Durries, carpets and buttons of all kinds are made at MEHSY.

The exports from this district are indigo, oilseeds, grain and sugar; imports are salt, piecegoods, kerosene oil, coal, grain, tobacco, chemicals, hardware, and machinery. The trade is chiefly with Calcutta. The main trade route to Nepal lies in the Champaran district and traffic is registered on the frontier at RAKAUL.

The important marts are GOBINDGANJ, BARHARWA, MANPUR and BAGHA. The trade centres are BETTIAH, MOTIHARI, CHAINPATIA, CHAPKAHIA, RAMGARWA, KESARIYA and MADHUBAN.

MOTIHARI (population 17,545)—It is the headquarter station of the district. Khari salt and saltpetre are obtainable here and are sold to Calcutta and up-country merchants. Indigo is also cultivated in the district. The surrounding country also produces large quantities of sugarcane and there are several sugar factories in the district. There are also rice mills which consume the products of the surrounding country. There are button making factories. Hand loom weaving is also practised. Tobacco of Motihari is famous and is sent to as

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Indigo, tassar silk, bafta cloth, ghee, iron and brass utensils, and lac bracelets are the chief industries. Gut from BANKA is sent to Bengal, coarse coloured glass is made at BHAGALPUR. Several kinds of coarse cloth are made, and cotton weaving and the manufacture of saltpetre are carried on to a limited extent.

The chief imports are coal, coke, salt, cotton, piece-goods, gunny bags, gram, pulses, silk (raw) and tobacco, and the chief exports are rice, mustard seed, indigo, wheat, gram, and pulses, tassar cloth, bangles, etc. Imports come by rail or steamer.

Trade is chiefly with Nepal and East Bengal. The important centres of trade are SULTANGANJ, BHAGALPUR, COLGONG, PIRPAINTI, BELHAR, AMARPURA, BARHAT, JEYPORE and BANKA in the south and MADHIPURA, KISHANGANJ, BANGAON, PROTANGANJ, BIHPUR and SUPAL in the north. A network of railways, roads and steamer routes traverses and intersects this district.

BHAGALPUR (population 83,847).—Situated on the right bank of the Ganges, Bhagalpur is a great commercial centre. About three miles from the station there is a Jain temple. Its central jail is famous for the manufacture of curtains, carpets and blankets. The local weight is 101 tolas a seer but in the case of certain commodities 80 tolas are common. The articles of trade of this place include wheat, seeds, jute, (in small quantities), ghee, molasses, jaggery, pulses, rice, paddy, potatoes, tobacco, sugar, millet, oat etc., which are largely imported here from the interior by carts and outside the province by rail and are consumed here or exported. The local products are blankets of a coarser quality, tassar, garad, bafta, and khesa cloth. Cauliflowers, fishes, vegetables, mangoes, honey, etc., are available here. There are several oil mills and flour mills, which consume the products of the districts. Oil and oil cakes are generally exported to important places on the loop line.

CHAMPANAGAR is the famous Buddhist capital, and contains some interesting shrines. Mangoes, tassar, silk and ghee are abundantly available here. Honey is also sold and can be had from the Santhals on week-days during summer.

SULTANGANJ—This is also a busy commercial centre in the mofussil. It is a flourishing mart from where produce from the surrounding neighbourhood is carried by boats on the River Ganges to Calcutta and other important trade centres. Potatoes are largely cropped and are sent down to Calcutta by the end of October by railway. Fishes, mangoes and cauliflowers are also obtainable here during season at a cheap price and business in these is brisk during season time. Tassar, bafta and silk clothes are obtainable here in large quantities, which go chiefly to Bhagalpur and Monghyr and are then sold to big buyers. Goods are sent away from this place by rail and during the rains by steamers also. The products of the place which are marketed in large quantities are rice of various qualities, grains and seeds, besides those already mentioned. Connection with the interior is by carts for goods and by motor bus to passengers. It is only 15 miles from Bhagalpur town.

NOWGACHIA—It is an important and busy grain mart. Among the commercial products and commodities Maghi and Purabi mustard seeds are the most important. Other articles of trade are grams, kahi kala, kala, maize, chilhes, arahar, masuri, khesari, linseed, castor seed and ghee.

COLGONG—The country round produces rich crops of grams, seeds, pulses, paddy, jaggery, oil-cake, rice, potato, onion, turmeric, etc., which are brought here by carts in large quantities from the

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The important marts in the district are DARBHANGA, SAMASTIPUR, MADHUBANI, RUSERA, PUSA, KAMTAUL, DALSING-SERAI, NARAHIA (for the grain traffic of Nepal) and JHANJHARPUR. The trade is carried by rail, a network of lines passing through the district.

SAMASTIPUR—It is situated on the B N W. Rly., in the Darbhanga district. The country round the town is very fertile and produces rich agricultural crops. There are good mango and lichee gardens; the products are very good and are generally exported. Graftings of these trees are also available here. Ghee of Samastipur has a good name in the Calcutta bazar and is exported in large quantities. There are several factories for producing sugar from canes and also from imported molasses. The place is healthy.

RUSERA—Trade in agricultural products is considerable here. Local oil and oil-cakes are of good quality. It stands on the B. N. W. Rly. and goods are despatched by rail. It has also the advantage of sending goods and merchandise to Calcutta by boats during the rainy season, when the rivers are generally full of water. Sweet and large fishes are available in the Gandak river and are exported from this place during winter.

DARBHANGA (population 60,076) —It is the district headquarters and is also the seat of the Maharaja of Darbhanga. LAHERIASARAI is the Sadar Station. The surrounding country is extremely fertile and goods are brought by carts and by rail from remote villages and also from the villages of Nepal Terai and are marketed here. Among the articles of trade brought for sale are wax, honey, mangoes, lichees and mango parchments (Amsatta). Resins of pines, guggul, Indian madder, etc., are obtainable in large quantities and are exported.

Industries of Darbhanga consist of manufacture of coarse cloth and blankets, brass utensil making and rice milling. There are several rice and oil mills which consume the products of the district and import as well. There are also tobacco factories, sugar factories and flour mills. The brass and bell-metal wares are made here as well as at JHANJHARPUR.

The traders and people from Nepal bring down timbers, hides, and skins, cattle, sheep, buffaloes, goats, lentil, mustard seed, blankets, wax, etc., for sale here and in exchange they take into Nepal piecegoods, salt, kerosene oil, spices, brass utensils, hardware and other articles for their use. This place has thus a good foreign trade.

SAKRI—Hides and skins, tobacco, garlic, potatoes, maize, turmeric, etc., are largely exported from here. It is chiefly famous for ghee, molasses and jaggery. Cart traffic is used for bringing goods from the interior but railways is the chief means of transport.

MADHUBANI (population 18,789) is a trade mart.

Important Cattle and Agricultural fairs are—Khaira Mela, Pusa Road Stn., February, Narghohi Mela, Ujarpur, October; Jatmalpur, Hayaghat Stn., January, Muktapur, March, Birsingpur, Muktapur Stn., March. Industrial fairs are Sailanath, Jainagar, October, Rajnagar, October; Sitamarhi, April, Cattle. In P. S. SASARAM—Tarachandi, Chaitra Ramnavami, Bhaluni, Bikramganj, Chaitra Ramnavami, Babhani, Kargahar, Falgun, Sivaratri; Karakat, Bikramganj, Cattle Fair, Just after Sivaratri; Kargahar, Falgun Sivaratri, Dehri, Kichari Mela, Middle of January; Nasirganj, Middle of January; Chenail, Gupta Dham, Falgun, Sivaratri, Basant Panchami.

GAYA DISTRICT.

The district of GAYA has an area of 4,714 square miles and a population of 23,88,462. Languages spoken are Bihari and Hindustani.

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far as Burma and is used there for cheroot making and in cigar industry. Net-making is also an industry, nets are sold to the fishermen of this and the adjoining districts. Oil pressing and durri weaving are among important industries of this place. The town has a large trade in ghee with Calcutta and other centres of Bengal and Bihar and Orissa. Transport with the interior is mainly by carts and the climate is on the whole good. The principal imports into the town are grains and seeds, tobacco, jaggery, molasses, bhelli gur, ghee, khari salt, saltpetre, indigo, oilcake, garlic, hides and skins, etc.

BETTIAH (population 27,941) — Bettiah is by far the most important centre of trade in the district of Champaran, which produces a very large quantity of rice, a considerable quantity of indigo, and a fair quantity of barley, oats, wheat, maize, gram, oil-seeds of various kinds, tobacco and sugar-cane. There are few prettier sowns in Northern Behar than Bettiah. It has a booming trade in these articles. Sabai grass and timber are exported. The transport facilities with the interior consist of carts drawn by bullocks. Of the various productions, jaggery and molasses are largely exported. Ghee is brought here in considerable quantities and is of good quality.

Agricultural and Cattle fairs are — Kessaria Mela, Mehri Dasahara Mela, Rajpore Dasahara Mela, Rajepore Dasahara Mela, Madhubani Dasahara Mela, Bakhi Dasahara Mela, Bettiah Dasahara Mela, Chanpatia Kartick Purnima Mela, Gobindganj Kartick Purnima Mela. Industrial fairs are Rajwata, Kartick Purnima Mela, Tribeni Mela.

DARBHANGA DISTRICT.

The district constitutes a large alluvial plain of about 3,350 sq miles. The average annual rainfall is about 50". Hindi and Urdu are the languages spoken. Darbhanga which is in the Tirhoot division has a population of 3,105,529.

The elevated land in the S W is the most fertile part of the district. The main articles of agricultural produce include rice, wheat, barley, maize, gram, khesari, arhar, kodan, mung, oats and janera. Potatoes, yams, sulthin are also cultivated. A considerable area is also under oilseeds (linseed), tobacco, indigo, sugarcane, all of which are profitable crops. Acreage under crops in 1936-37 — Rice 832,000, wheat 70,000, barley 82,000, maize 101,200, sugarcane 106,000, gram 32,000, pulses 62,000, linseed 34,500, rape and mustard 69,000, condiments and spices 42,500, sugarcane 57,100, tobacco 14,400, fodder crops 18,100, fruits and vegetables 33,408.

The industries of the district include coarse cloth weaving and mat-making. Kokti cloth, woven from a kind of locally grown cotton is much prized in the district and has a good sale. Brass and other utensils are made at JHANJHARPUR. Indigo cultivation is under European management. The sugar industry in the MADHUBANI sub-division is very important. There are several rice mills, oil mills, sugar factories. A jute mill has recently been opened at MUKTAPUR.

The principal exports are rice, indigo, gram, pulses, linseed, mustard seed, saltpetre, tobacco, hides, ghee, timber (from Nepal frontier) and fish. Ghee is largely sent to Calcutta where it has a very good market. The principal imports are rice, grains, kerosene oil, salt, gunny bags, coal, coke, piecegoods and raw cotton. The seeds and pulses and grams are sent to Calcutta and the other food crops to Saran and also to Muzaffarpur. The food grains imported come mainly from Nepal and Bhagalpur, coal and coke come from Bengal and Bihar, salt and piecegoods come from Calcutta.

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Singhbhum. Imports into the town include flax, flax-twine, linseed, mustard seed, castor seed, etc. The bazar is close to the Railway Station. It can be reached from Howrah via South Bihar Ry., with a change at Kiul junction. The distance is 294 miles.

During the Pitipaksha Mela held at Gaya many Hindus from all over India assemble at the famous shrine of Gaya and perform their duties to their ancestors.

HAZARIBAGH DISTRICT.

HAZARIBAGH is a district in the Chota Nagpur Division. Its population is 1,515,997 and it has an area of about 7,000 sq. miles.

Exports of Hazaribagh include copper, catechu, lac, cocoons, bones, hides, opium, poppy-seed, timber, etc., and it imports hardware, brassware, piecegoods, machinery, machine stores, kerosene oil, grams, sugar, oilmen's stores and provision, etc.

HAZARIBAGH (population 20,977) —The place is surrounded by hills and is very healthy. It is reached by a motor bus service from the Hazaribagh Road Station on the Grand Chord line of the E. I. Ry. It is noted for its mica mines, quartz and felspar, forming the bulk of the legmatite, and other mineral products. There are also several flourishing lac factories. All these articles are sent down to Calcutta. On hat-days, seti-mustard seed, ganja, myrobalans, honey, wax, mohua, flower, oils and seeds, resin, cotton, etc. are obtainable in large quantities.

GIRIDIH (population 21,122) —It is an important centre of trade in the Hazaribagh district and there are many mica producing works near-by and also in the town. The chief articles of trade are rice, paddy, mohua seed and oil, janera, myrobalan, gur and mustard seed. These articles are obtainable cheap on hat-days. It has also extensive coal fields. The output of coal during 1936 was 698,133 tons.

MANBHUM DISTRICT.

The MANBHUM district contains a population of 1,799,154 in an area of 4,147 sq. miles and the languages spoken include Bengali, Santhali, and Hindi.

The district is rich in mineral products, specially in coal. The JHERIA coalfield extends over an area of nearly 180 sq. miles. 9,057,546 tons of coal are raised here. Gold washings are found. Iron ore and copper ore are not uncommon. It has forests also.

Shellac, tassar-silk weaving, coarse cotton cloth weaving, brass utensils making, ornaments making, rope, cutlery and gum making form the diverse industries of the district. Soapstone found in the CHANDIL thana is made into cups, images, dolls, etc.

The chief exports are coal and coke, shellac, cutlery, gums, silk cloth, etc., are also exported. The imports are salt, rice, gram, pulses, kerosene oil, cotton twist and piecegoods, molasses, sugar, tobacco, jaggery, tamarind, ghee, machinery, etc.

The trade centres are PURULIA, JHALDA, RAGHUNATHPUR, ICHAGARH, GOBINDAPUR, NIRSA, etc.

JHARIA —It is one of the greatest coal producing tracts in Bihar. The coal is exported to Calcutta for shipment and internal distribution. A power hosiery and knitting mill has recently commenced operation here. During 1936 the coal output in Jharia was 88 million tons.

PURULIA (population 25,974) —The chief articles of trade of this place are rice and paddy, as also lentil, wax, lac, cotton, honey, resin, myrobalans, sticks of buffalo horns, etc. It is the Sadar Station and chief mart of the district and its large bazar supplies MANBHUM with imported goods.

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Gaya experiences great extremes of climate and the average rainfall is about 44.77". The district is intersected by numerous tributaries of rivers and the soil is generally fertile, but agricultural prosperity depends mainly on irrigation.

Area under crops in 1936-37 (in 1000 acres) Rice (787), wheat (127), jowar (78), barley (79), ragi (50), maize (40), gram (255), cereals and pulses (khasari, masur, peas, urid, arhar, mung) (402), linseed (63), rape and mustard (26), sugarcane (52), fruits and vegetables (15), total (1,903)

The industries are lac, sugar, tassar, cotton, brass utensils, stone-ware, gold and silver ornaments, blankets, rugs and carpets. MANPUR, KADIRGANJ, DAUDNAGAR, etc., are the centres of those industries and they have a large trade with Calcutta. Padlocks and brasswares are made at AURANGABAD. Sugar industry thrives at JAHANABAD. Mica is found in the district.

The principal exports are food-grains, oilseeds, paper, opium, sugar (raw), mahua, saltpetre, mica, lac, blankets, carpets, stone, brass, hides, tobacco and betel leaves. The main articles of imports are salt, coal, coke, piecegoods, shawls, kerosene oil, tea, cotton, timber, tobacco, iron, spices, fruits and foreign manufactured articles.

The chief centres of trade are GAYA, TIKARI, GURUA, RANIGANJ and IMAMGANJ, RAJAVLI and AKBARPUR (in Nawadah). JAHANABAD and ARAWAL, DAUDNAGAR, DEO, MAHARAJGANJ, TARWA, KHIRIAWAN, RAFIGANJ and JAMBHOR. Most of the traffic is carried by railway, but cart traffic on the numerous excellent roads of the district is also considerable.

GAYA (population 88,005) —The chief town of the district. All sorts of grains and seeds are obtainable here for purposes of export. Tobacco of Gaya is a well-known trade name and has got a wide market all over India. There is also indigenous sugar making in the district and also in the town. There is a big trade in ghee. Gaya is an important centre of trade where marketing of various goods goes on both for import and export. It exports large quantities of high quality molasses and chakigur to U P and Bengal. Sugar from the numerous sugar factories that work here are also largely exported. Potatoes and cauliflowers are available in abundance besides oil cakes, red-pepper, stone wares, plates, blankets, etc., which too form important articles of trade. A variety of articles carved out of the black stone of Gaya are exported to different parts of the country and blankets can be obtained at convenient rates and in large number. The Bodhi Gaya temple is also a place of historical interest and is a great place of pilgrimage to the Buddhists in general all the world over.

NAWADAH —This town is situated on the South Bihar Railway of E. I. Rly. from Gaya to Kuni. Motia cloth and tassar cloth are woven here. The articles of trade include all sorts of grains and seeds, molasses, chakigur, jaggery, sugar, castor seeds, potatoes, onions, flax and flax twines, oil cakes, etc. Jaggery of Nawadah has earned a reputation for itself beyond its immediate neighbourhood.

WORSELEYGANJ —All sorts of grains and seeds are imported to this town from the surrounding country. In the interior villages, indigenous methods of sugar making are practised and the products are brought to this town for sale. Good rice is also obtainable here and the local bansmati sundried rice is famous. Jaggery is obtainable in considerable quantities. There are many sugar factories in the surrounding villages and large quantities of sugar are exported from here to the United Provinces. Jaggery is exported to Burdwan, Bankura, Hooghly, Midnapur, Burdham, Santhal Parganas and

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fishes, and cauliflowers, bajra and maize, various sorts of mangoes, catechu, onions, stones, slates, tiles, dishes, cups, rice (Kharagpur), matki ghee, etc. There are oil mills and flour mills for turning out atta and maida. It is also a centre for cigarette making from local tobacco leaf and has a large factory for the purpose. It is famous for the manufacture of guns and pistols of good quality. The transport of merchandise is done by rail and by steamers.

Cargo boats of large capacities can be hired cheap and are used by East Bengal merchants to carry their goods. There are a famous temple and a hot-spring near the town at SITAKUNDA.

KHARAGPUR—It has got a very salubrious climate. It stands on a very fertile tract and is noted for the production of best quality rice. Besides rice, oil seeds, grain, jaggery, ghee, chillies, etc., are largely produced and are exported first by bullock carts to the stations and then by rail to other places. Kharagpur has no industry nor any particular trade.

JHAJHA—It stands on the main line of the E. I. Rly. The bazar is near the station. The gur of the locality is of very fine quality and attracts many Bengal merchants here who purchase it from the surrounding village through brokers, as the article is not actually brought into the market for sale. Country cigarettes called biris are made here. The usual articles brought to the bazar for sale are jute, sunn or hemp, mohua and mohua seed and oil, castor oil, mustard seed, ghee, linseed, etc. These articles are generally collected by Mahajans and are sent away to different parts of the provinces of Bengal and Bihar.

LAKHISERAI—It is a prosperous trading centre situated on the bank of a river on the other side of Kuli junction on the main line of the E. I. Rly. The place has a mustard oil mill. Gram, grains and pulses and oil seeds are imported here in abundance. Besides these, ghee, sugar, pulses, oil cakes, onions, garlics, potatoes, tobacco and chillies are obtainable in large quantities in the markets. It has grown into a big centre of trade.

KHAGARIA—It is an important mart in the Monghyr district. Considerable quantities of grains and seeds, chillies, ghee, turmeric, aniseed, cauliflower, and fishes are obtainable here. Ghee of this place is famous for its high quality and is exported to Calcutta and other places. Fish provides a most profitable business here, being exported in large quantities to Calcutta and other places in Bengal. It is situated by the Ganges on the B. N. W. Rly.

BEGUSARAI—The local bazar is the chief trade centre of the district in all kinds of seeds and grains, e.g., millet, linseed, oilcakes, castor oil cakes, chillies and mustard seeds, gram, maize, masuri, khesari, arhar and peas, etc. All these articles are brought here from the interior and exported to other places chiefly to Bengal. Ghee obtained here is of the best quality and chillies are imported here in large quantities, generally on market days.

BAKRI BAZAR is visited by merchants desirous of buying chillies. The Bazar can supply thousands and thousands of maunds of chillies in season time. It is 12 miles away from Begusarai.

PARIHARA—The ghee of the place has a large sale in Calcutta and has a good name. It is 8 miles from Lakmonia Station, which is reached from Monghyr Ghaut Station, and 2 miles from the famous Bakri market. It stands on the river Gondak and goods are carried by boats.

JAMUI—It is the third sub-division of the district. It attracts many Bengal merchants chiefly from Lower Bengal who come here to

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RAJAGRAM —The place is famous for silk cloths, cocoons, lac, etc. which are exported to Bhagalpur, Murshidabad, Memari, etc.

CHANDIL —The chief imports to this place from the surrounding country by carts are paddy, rice, lentil, mohua, honey, wax, cocoons, sal wood, castor seed, lac, small bamboo, etc., which are exported by rail. The best quality Regulation Lathis obtained from the jungles close by are exported to the police stations of Bengal and Bihar. Another important article of export is wood for axle of carts which can be had here at a convenient price. Babul wood of the neighbouring forests are generally utilised for the purpose. There are several lac factories here. Goods are exported by rail and the health of the place is good.

JHALDA —It is one of the chief centres of trade in the district. The place is famous for lac which is largely exported to Calcutta. Sabai grass which is largely used for the manufacture of paper is exported from this place in large quantities, a kind of rope is also made from it. There are coal mines also, but they are not very important. There is also a small mica industry, the products being sent down to Calcutta. Lake Chandil, Jhalda too sends out best quality sticks and Regulation Lathis to various parts of India. Among its principal imports may be included paddy and shellac. The many workshops and factories of shellac which flourish here send almost their whole output to Calcutta. Besides these, there is a good trade in various other articles like mahua, ganja, dhupa (incense), mustard seed, cocoons, myrobalans, lentil, wax, etc. Large quantities of coarse cotton cloths, long cloths, napkins, etc., are woven here in handlooms and consumed by the local people and the population of the colliery districts.

DHANBAD (population 16,356) —Situated in the coal district, it is a great coal centre exporting large quantities of coal to Calcutta and other industrial towns. It is a growing town of considerable interest to traders. A fair is organised by E. I. Ry. in February, at DHAIFA.

MONGHYR DISTRICT.

The MONGHYR district has an area of 3,927 sq. miles and a population of 2,278,528. Languages spoken are Hindi and Urdu. There are several places of historical interest here.

The soil of the district is fertile and produces rich crops of rice, maize, wheat, gram, bailey, indigo and tobacco. Agriculture is aided by irrigation and wells. The minerals obtainable here are silver, mica, iron ores and slate.

The chief industries are fire arms and sword making, cotton weaving, dyeing, coarse blankets, boat making, soap boiling, sticks and jewellery from ivory and bone, basket weaving and fur making. The East Indian Railway's Works at JAMALPUR, a growing town, is the largest manufacturing workshop in India where all the constituent parts of a locomotive can be manufactured. The population there is 30,346.

The traffic is generally carried by rail and river. The chief centres of trade are KHAGARIA, GOGRI, MONGHYR, BARIHAT, JAMALPUR, SHEIKPUR, BARIARPUR and LAKHISERAI.

The chief articles of imports are piecegoods, coal, coke, rice, sugar, etc., and the exports are gram, pulses, linseed, wheat, mustard, chillies, tobacco leaf, ghee, raw sugar, etc.

MONGHYR (population 52,863) —It is a place of profitable business whose list of imports comprises such various commodities as gram and pulses, wheat, peas and linseed, mustard seed, masuri, blanket, sticks,

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kind of soft ghee is available here in considerable quantities. Oil-seeds, hides, saced thread and pottery are made. There are several saltpetre factories sending saltpetre down to Calcutta. There are a rice mill, a jute mill and a mustard oil mill. Sitamarhi is a flourishing centre of trade. Linseed, mustard seed and castor seed which are brought here in large quantities from the neighbouring countries are exported to Calcutta and Bombay, and spices, drugs and medicine, hardware and stationery articles, and cloth, thread, kerosene oil are the chief imports from Calcutta and other places. Goods are carried by rail.

SONEPUR—The famous mela of Harihar-Chhatra during Rash-purnima occurs in Kartik (October-November). The mela is a great mart for horses, elephants and cattle. Tree grafts are sold and various articles of arts and crafts are also offered for sale.

HAJIPUR (population 19,209) is famous for unrefined sugar which is largely used by people of Bengal (high castes). Chutneys of fruits of this place are also famous and are sent to places in Bengal, Bihar, and U. P. There are several sugar factories and the unrefined sugar is largely exported to East Bengal, Calcutta, Benares, United Provinces, and C. P. by rail and also by steamers. Hajipur is interested largely in trading in the rich agricultural products produced in surrounding villages, consisting of indigo, cotton, pulses, rice, grain, copper and brass vessels, linseed, tobacco, saltpetre, fruit and vegetables. Several temples and mosques are to be seen not only in the town but also in neighbouring villages. Boat traffic is also prevalent. Plantains and mangoes are available in large quantities. There are a few distilleries.

BARAJBAZAR—There are several sugar factories here, the products of which are largely exported. The molasses of this place are sent chiefly to Bishnupur in Bankura and also to Gaya for use in mixing and preparing Indian tobacco. Among imports into the place, worthy of mention are salt, kerosene oil, piecegoods and hardware which are brought in large quantities from Calcutta generally. The exports and imports are carried by railway.

Four branches of the B. & N. W. Rly. pass through the district. Transportation is by railways and boats and also by carts, for which there are good roads penetrating the interior.

PALAMAU DISTRICT.

The Palamau district in the Chota Nagpur division is roughly a parallelogram north-west of the Chota Nagpur plateau, the eastern and western sides being of greater length than the northern and southern sides. The general system of this district is a series of parallel ranges of hills running east to west through which the river Koel passes as it makes its way northward to join the river Son. The district is therefore for the most part hilly broken country covered with low jungle and cut up in all directions by numerous streams and torrents. The average elevation is about 1,200 ft. above sea level. The highest point is the Neterhat plateau which is 3,606 ft. In the south the low jungles become forests and the hills are higher, roughly 60% of the total area of this district is still forest.

The characteristic of formation of Palamau is a gneiss of varied constitution in some parts associated with enormous thickness of crystalline limestone. There are outcrops of Bijapur slates, shales, limestone and sandstones. The next formation is gondwana. There are then Coal-fields, known as the Auranga, Hutar, and Daltonganj Coalfields. The western extremity of the large Karanpura Coalfield.

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buy gur which is of good quality Besides gur business is carried on here in mahua (seed and oil), linseed, ghee and sal leaves An agricultural and industrial fair is held at MONGHYR

MUZAFFARPUR DISTRICT.

The MUZAFFARPUR district has an area of 3,036 sq miles and a population of 2,904,182 who speak mostly Hindi and Urdu The climate is dry and hot, but not extreme The district is healthy. The average rainfall amounts to about 48".

The soil is alluvial and fertile Chief crops are Rice, wheat, barley, ragi, maize, gram, cereals and pulses, linseed, rape seed, sugarcane, tobacco, fruits and vegetables Other crops are sugarcane, poppy, and thatching grass Cultivation is helped by canals, wells and tanks

The important industries are coarse cloth making, carpet making, pottery, mat, cart wheels, palanquins, cutlery, indigo and sugar refining There are several sugar and indigo factories Tobacco and saltpetre are also important manufacture

The chief exports are indigo, sugar, oil-seeds, saltpetre, hides, ghee, opium, tobacco, fruits and vegetables The imports are salt, cotton goods, hardware, coal and coke, kerosene oil, maize, millets, rice and food grains, indigo seeds, motor cars and accessories, timber, etc

The chief trade centres are MUZAFFARPUR, HAZIPUR, LAI-GONG, SITAMARHI, SURSAND, SAHIBGANJ, BELA KUNTAL, etc.

MUZAFFARPUR (population 42,812) —It is the chief industrial town of North Bihar The surrounding country is very fertile There are several iron works, sugar factories, orchards and ice and oil mills The products of surrounding country include tobacco, garlic, onion, chillies, hides, butter, saltpetre, ghee, khari-salt, sugai, turmeric, blankets, lichees, mangoes, cauliflowers, etc Cartloads of timber, hides of cattle, sheep, buffaloes, goats, chamars, blankets, lentil, wax, honey, and saltpetre are brought down for sale from the Nepal-Terai by the Nepalese on market days In exchange these people take with them utensils, hardware, salt, kerosene oil, cloths, spices, tea, etc The town enjoys a very considerable trade in exporting agricultural produce, including cereals, indigo, chillies, linseed, cotton and saltpetre, and in importing different kinds of merchandise, and the greater portion of this traffic is carried on by means of boats upon the river Gandak which is navigable for many miles during the rainy season Daily markets are held in bazars

The town manufactures coarse cloth and towels and blankets are available here at a cheap rate There are still several indigo factories Goods of agricultural produce are brought from the interior by carts and are exported by rail to other parts of Bihar and Bengal Wooden palanquins and cart-wheels are made here in large number and sent out to different parts of the country The lichees and mangoes of Muzaffarpur are famous and represent well-known trade names, exports being mainly to Calcutta, Darjeeling and other places in Bengal and the up-country Sugar is exported on a large scale to Bengal, U P, and C P, while treacle (for the preparation of tobacco) exported to Bishnupur, Gaya, Monghyr, Patna Bhagalpur, Benares and other places

BAIRGNIA —Though a small place, it is a trade centre of considerable and growing importance It is a large grain and oil-seeds depot Dealers of the plains and the hills of Nepal come here

SITAMARHI—Besides all sorts of grains and seeds, ghee, bhell gur, jaggery, sugar, red-pepper, etc., are available here in large quantities Bhell gur and jaggery have a reputation in the market, and a

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linseed, pulses, mustard seed, hides, sugar, tobacco and opium Traffic is carried on both by railway and steamers, country boats are used to carry on trade with the Nepal Terai. Other important markets are DINAPUR, BARRH, MOKAMEH, ISLAMPUR, FUTWA and HILSA.

BARRH—The imports into this market include all sorts of grain and seed besides tobacco, potatoes, onions, garlic, chillies, good rice (bansumati sundried), oil cakes (ghani expressed) etc. Tobacco and chillies come chiefly from Darbhanga and big merchants from East Bengal come here to purchase chillies only. Goods are easily and conveniently transported from the market which stands on the river Ganges. The place is well known for the manufacture of Jasmine oil.

PATNA (population 159,690)—Patna City is the seat of the Government of Bihar and Orissa. It is an important junction on the main line and is the largest city in Bihar. It is the chief centre for grain and salt. Government offices are at BANKIPUR.

Among the most noteworthy industries carried on in the city mention should be made of oil and flour milling, cotton weaving, carpet making, glass manufacture, gold and silver embroidery, stone cutting, lapidary art, wood-carving, jewellery, etc. Other smaller industries are shoe-making, utensils, iron workshop, etc. There are many mills and factories in the town.

The principal imports are salt, coal, kerosene oil, rice, foreign piecegoods and gunny bags while the principal exports are wheat, linseed, grain, pulses, mustard seed, hides, molasses and unrefined sugar, raw tobacco and opium. A large portion of this trade finds its way along the railways, but the greater amount is transported by river. The city is conveniently situated for the purpose of transport either by river or railway. It possesses normally a river frontage of 5 to 6 miles and its central position near the junction of three great rivers, viz, the Ganges, the Gondak and the Sone, where the traffic of the United Provinces meets that of Bengal, gives it great natural advantage as a distributing centre. Goods coming up by rail from Calcutta are here taken over by country boats, bullock carts, etc., and distributed throughout the neighbouring tracts, which in turn send their produce to be railed or shipped to Calcutta, Nepal and elsewhere.

DINAPUR (population 24,221)—Dinapur town is a cantonment and about 3 miles from Patna. The health of the place is very good.

The chief products of Dinapur are gram, masur, wheat, castor seed, oats, linseed, chillies, chaki-gur, barley, khari masur, potatoes, cabbages, mangoes, butter, hides &c. Dinapur is famous for its butter, potatoes, and khari masur. Potatoes are exported to Burdwan, Memari, Bolepur, Pandua, Mogra, Gushkara, Chinsurah, Tarakeswar, Sheoraphuli and Calcutta in Bengal. They are also exported to Dacca, Chandpur, Narayanganj, Comilla, Noakhali, Pabna, Bogra and other places in Eastern Bengal. Cauliflowers are also similarly exported from here. Business in crude gur (chaki-gur) is also profitable. The local jaggery has a fine colour and finds a good market in eastern and western parts of the country. The Mango business begins from the month of Jaistha and different varieties of mangoes such as Langra, Bombay, Malda, &c are largely exported. The khari masur is exported in large quantities to Eastern Bengal, and Dinapur butter is a well-known article in the Calcutta market where it is exported daily in tins by rail. Good shoes and boots are manufactured in the Cantonment at Dinapur and exported to different parts of the country. Besides, here are made various kinds of table cloths, napkins, towels of damask pattern, of mat-pattern, and of bird's-eye-pattern which find a ready market.

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lies in this district Iron ores occur as hematite and limonite associated with shales of the coal measure.

It is 4916 square miles in area and contains a population of 819,037. The climate on the whole dry and bracing, though healthy is characterised by wide variations of temperature. Average rainfall is about 50"

The northern track is alluvial and land largely under rice cultivation and hills abound in marsh and water plants. In the wooded hills and valleys which make up the rest of the district, the hills are generally clothed with jungle in which the close set bamboo is prominent while the stiffer slopes are covered with denser forest mixed with climbers, Sal Karam, Bia, and other timber abound in the south. In the valleys the groves of Palis, Khair and Mahua are remarkable.

Acres under crops in 1936-37—Rice 176,000, bailey 42,500, maize 67,000, gram 93,600, Cereals and pulses 230,900, linseed 15,800, sesamum 53,700; Rape and Mustard 23,600. Condiments and Spice 3,300, Total 7,81,000

The carnivora comprise tigers, leopards, bear, hyaena, wild dog, jackal and wild cat. The non-carnivorous animals are the Goud, Samhar, Spotted deer, Nilgai, Barking deer, Indian Gazelle, Four-horned antelope, wild pig, the red faced and the black faced monkeys, scopsine, hare and other animals.

Besides coal mentioned above iron ore, laterite, graphite, copper are also found but remain unworked and undeveloped. The coal is of poorer quality and still unworked, owing to rights in minerals being still undecided. Limestone is extracted on extensive scale. Coal is imported in large quantity.

Ghee, tassar-silk, lac and coarse cotton making are the main industries. The chief exports are—Hides, lac, ghee, oilseeds, bamboos, timber, catechu, fire-clay, bill leaves, shellac, konjhi gum (Goud), bones, sabai grass and hay.

The import consists of piecegoods, salt, brass ware, sugar, kerosene, oil and rice. Ghee, mustard seed and hides are brought in from Surguja State. The trade in the interior of the district is carried on by pack-bullocks except in the neighbourhood of the railway station.

DALTONGANJ—It is an important centre of trade in the district. **GARHWA**—Mustard seed and ghee are imported from Surguja for sale on Saturdays. The climate of this place is very good and articles of every day use are comparatively cheap.

Other trade centres in the district are Hariharganj, Hussanabad, Pathra, Latehar and Chndwa.

PATNA DISTRICT.

The PATNA district extends over an area of 2,114 sq miles and have a population of 1,844,897 souls. Average rainfall 50"

Soil of the district is alluvial in character and is extremely fertile on the river bank (the Ganges). Cheap crops are rice, wheat, jowar, barley, maize, gram, cereals and pulses, linseed, rape and mustard, condiments and spices, sugarcane, fruits and vegetables. Hindi, Urdu and Bihari are the languages spoken.

The industries are carpet weaving, brocade, embroidery, pottery, brassware, toys, fireworks, lac-ornaments, gold and silver ware and leaf, glassware, boots and shoes and cabinet ware. Carpets are made in SULTANGANJ and DINAPUR. There are some iron foundries also.

The imports are rice, paddy, salt, coal, kerosene oil, piece-goods and gunny bags. The principal exports from the districts are wheat,

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A big fair is held at Purnea here during January-February where agricultural products and livestock besides foreign articles are exhibited for sale. Other fairs in KISHANGANJ S. D. are Khagra, Industrial, Agricultural and Cattle Show, January, Islampur, Oct and Nov, Daspara, February and March, Bibiganj, November and December, Domohini, October and November.

RANCHI DISTRICT.

The RANCHI district is mostly hilly and is included in the Chotanagpur division. It has a population of 1,571,880 in an area of 7,102 sq. miles. Hindi, Moodari, Oraon, and Kharia are the languages spoken. Chief crops are Rice, ragi, maize, cereals and pulses, rape and mustard, sesamum, cotton, tea, fruits and vegetables. Tea is also cultivated here.

Lac is common here in the KHUNTI Sub-division which contains forests, the products of which are also marketed. The lac produced on the kusum tree fetches the best prices, two crops being produced a year, in the hot weather and again in the cold weather. Tea is grown and manufactured in the district. Shellac making is the chief industry of the district and gold (in small quantities) and mica and coal are the chief minerals obtainable here. Coal is mined near Kaianpura.

There are about 150 miles of good metalled roads. The bulk of the trade from the interior is carried by teams of pack bullocks on the roads.

The town is now the summer capital of the Bihar and Orissa Province and is connected by a branch line of the B N Rly. It is a chief trading centre of agricultural and mineral products of Chotanagpur. Papaya, cabbage, peas, beans, potatoes, jhinga, brinjal, pumpkin, etc., are extensively grown about the town and are exported. Bananas and papayas of this place are very sweet and are heavy in weight and red pepper and products of the Jumar Hills are sold in the market. Kusum flower trees yielding good lac are seen here. Many kinds of grasses suitable for the production of paper are obtainable here in abundance. Sankha til is obtainable here in large quantities. Local ghee is pure, good and cheap. Cultivation and gardening are profitable in Ranchi and its neighbourhood. The traders are chiefly Marwaries and Bhatiyas.

Chief exports from Ranchi are grains and pulses, rice, hides and skins, lac stick, oilseeds, tea (in small quantities), timber, bones, myrobalans etc., and the chief imports to Ranchi consist of cotton, twist, piecegoods, rice, wheat, wheat-flour, lime, kerosene oil, salt, sugar, mohua flowers, tobacco, gur, etc.

Other commercial centres of the district of Ranchi are intimately related to it for its lac industry. There are numerous shellac making factories here. The health of the place is generally good.

SANTHAL PARGANAS.

The Santhal Parganas district is generally hilly and undulating. The district is crossed by numerous streams and rivers. The average annual rainfall is about 52". The district occupies an area of 5,459 square miles and has a population of 2,051,473 persons as ascertained by the census of 1931. Santali, Hindi and Bengali are the languages in common use.

The soil varies with the nature of the surrounding hills but there are many fertile valleys. The crops grown are rice, maize, wheat, jowar, marua, bajra, kodo, barley, gram, mustard seed, cotton, sugar cane, til (oilseed), sabai, brinjals and other vegetables etc.

Acreage under principal crops as ascertained from the latest settlement report: Rice 1,109,846, maize 1,38,570, wheat 6,365, jowar 13,692,

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DIGHAGHAT —The place is chiefly noted for potatoes, cabbages, onions and mangoes, etc though various sorts of grains and seeds are also imported here. It is connected with the B & N W. Rly on the opposite bank by a steamer ferry. It is 344 miles from Howrah railway station. The station and the bazar both stand on the Ganges.

BIHAR (population 46,904) —The bazar is a most important mart where potatoes, jute, flax, flax-twine, jaggery, chaki-gui, molasses, country sugar, ghee, blankets, oil-cake, mustard seed and other grains and seeds are available in large quantities. It is also an important place of art manufacture. Soap, tassar cloth, hookkah pipes, fine dhoties and various kinds of check, chintz and brass utensils are available. The flax business of the place is a flourishing one and considerable quantities of flax are exported to Bhadreswar, Mogra, Sheoraphully, Burdwan, Calcutta and other places in Lower Bengal. Large quantities of potato seed are also available here and potato is exported from here to Asansol, Raniganj, Burdwan, Sainthia, Bolepur, Memari, Chander nagore, Calcutta and other places in Lower Bengal. Coarse cloths are woven and largely exported to the markets in the colliery districts and to Patna, where it is coloured red and sold as "Patna Kherua". The napkins of this place are famous and are exported to Calcutta. Fine cloths are also manufactured in large quantities and exported to Patna, Monghyr, Bhagalpur and other places. Various sorts of cloth are produced in the Government weaving factory here. Many cooly-contractors export blankets from this place.

MOKAMEH —It is famous for big-sized grains and seeds of exceptional quality which are imported there in large quantities, but these seeds are mixed with particles of dust. Grains and other seeds and grains, chilhes, pulses, tobacco, onions, potatoes, oilcake, garlics &c are also available in the bazar in large quantities.

Means of transport are steamer, rail, and boats.

PURNEAH DISTRICT.

The **PURNEAH** district is in the Bhagalpur Division and contains a population of 2,187,042 in an area of 4,998 sq miles. Hindi is the language spoken. Climate is good and average rainfall is about 72".

The chief crops are rice, maize, tobacco, pulses, oil-seeds (mustard), jute, etc. Photos (rough coloured cloth), mats, cart wheels, gunny bags are made in the **KISHANGANJ** Sub-division. The chief exports are rice, grams, jute, oilseeds and tobacco. Imports are rice, paddy, food grains, sugar, salt, piecegoods, kerosene oil, gunny bags and coal. The chief trade centres are **FORBESGANJ**, **RANIGANJ**, **KASBA**, **PURNEAH**, **KATIHAR**, **BARSOI**, **KISHANGANJ**, **KHARKHARI**, etc. The district is famous for its jute production, tobacco and mustard seed. Mathia "gach" tobacco is produced here. Kajla mustard seeds are available in this district in large quantities.

PURNEAH (population 15,474) —Merchants from Nepal bring their local goods by carts to the markets of Purneah and get piecegoods and other foreign articles in exchange; cloth, salt and kerosene oil are taken away by them. Musk and honey are largely obtainable here. It has indigo factories and tanneries. Hides and bones are exported from this place to Calcutta. The climate of the place is generally good and food articles are generally cheap.

KATIHAR (population 15,864) is an important trade centre. Other chief centres of trade are **KISHANGANJ**, **KATIHAR**, **BARSOI**, **SONALI**, **FORBESGANJ**, **KASBA**, **JALALGARH** and **THAKURGANJ**.

The **B B Rly** (metre gauge) crosses the district. There are good roads for transport.

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chillies, onions, potatoes, turmeric, linseed, oil-cake, jaggery, ghee, etc. On 'hat' days the Santals come with myrobalans, wax, honey, cocoons, bamboo, lentil, mahua-seed, anantamul (Hemedesmi) etc. which can be conveniently purchased in exchange of provisions. A profitable business here is the extraction of stone ballast from the quarries of which there are several in the place. Stone ballast for metalling roads is exported to municipalities, railways, and district boards. Of the several lac factories, that once flourished here, only one now exists viz-Pakaur Lac Factory

DUMKA—It is the head-quarters of the district at a distance of about 40 miles from Rampurhat, a station on the E. I Railway. It is one of the principal trading centres of the district. The local hat is held twice a week. On 'hat' days villagers dispose of their surplus stores of rice, grains, vegetables and other local produce and make purchases of cotton or piece goods, spices, sweatmeats, tobacco, kerosene oil, salt, metal utensils, cloth etc. There being no railway communication it has got an extensive motor business carrying passengers and goods to the nearest Railway stations at Jasidih, Rampurhat and Suri. An Agricultural and Industrial Exhibition and cattle fair what is commonly known as "Hijla Mela" is held here once a year in February.

SAHEBGANJ—It is the largest business town in the district. It has a population of 16,000, several oil mills and a flour mill exist here. From here Sabai grass is despatched to the Paper Mills.

A considerable amount of trade is carried on at the fairs held from time to time in different parts of the district. The principal fairs are shown below—

DUMKA S D—Raniswar Mela, Last day of Chait, 8 days, Nunbi Mela, Last day of Pous, 8 days, Mahasbathan Mela (started in 1935-36), in January, 8 days, Baskinath, Sibaratri day in Falgun, 3 days; Dumka or Hijla Mela, February, 7 days. In DEOGHAR S D—Deoghar, Bhadra-Purnima, September, 4 days, Sri Panchami, February, 4 days, Sivaratri, March, 5 days, Burhai-Sweri, December, 3 days. In GODDA S D—Basantrai, Chait Sankranti, 15 days, Dhamsai, Sibaratri in February, 7 days, Chapri, Sibaratri in February, 3 days. In JAMTARA S D—Jamtara, Rasjatra, (November), 10 days, Karamdaha, Last day of Pous, 10 days. In PAKAUR S D—Pakaur, Rathjatra, (June or July), 1 day, and Kalpuja, (October or November), 1 day. In RAJ-MAHAL S D—Ganeswar Mela in Kherwa, Bungalow Burhait, Sibaratri in Falgun, 4 days, Matijharna, Bungalow-Maharajpur, Sibaratri in Falgun, 4 days.

SARAN DISTRICT.

The SARAN district in the Tirhoot Division extends over an area of 2,682 sq miles. It is a beautiful wooded plain, highly cultivated and densely populated. Its population is 2,486,468. Language spoken is Hindi. It is very fertile and is intersected by many water channels. Average rainfall is about 46". The chief crops raised are rice, barley, maize, khesari, pulse, linseed, mustard seed, sugarcane, opium (premier district).

Acreage under crops in Saran in 1936-37—Rice 315,700, wheat 93,900, barley 2,24,100, jowar 4,100, rayi 38,300, maize 200,800, gram 52,900, cereals and pulses 304,900, linseed 68,800, til 9,000, rape and mustard 11,900, castor 3,200, condiments and spices 3,600, sugarcane 67,700, cotton 9,100, other pulses 5,800, tobacco 1,000. Fruits and vegetables 80,400, miscellaneous crops 82,600, Total 15,84,300.

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maua 11,089, Bajra 40,833, kodo 13,158, barley 21,432, gram 38,331, mustard seed 52,179, cotton 3,910, sugarcane 3,083, til (oilseed) 32,739, sabai 12,933, cereals and pulses 1,71,693, other food crops and pulses 1,72,994 and miscellaneous 2,04,733, total cropped acreage 18,56,521. The district suffers from scarcity of fodder during dry months only. The chief forest products are sal and mahua. Besides these stone is quarried on a considerable scale along the Loop Line of the East Indian Railway in Rajmahal and Pakaur Sub-divisions.

One laterite quarry and two soap stone quarries are being worked in the Rajmahal Subdivision on a small scale. China clay has been worked since 1892 at Mangal Hat in Rajmahal Subdivision. There is also a quantity of China clay at Karanpur in the Dumka Damini-koh Government Estates. Coal and iron ore also occur. A portion of the Raniganj coal area falls under this district, the total output being 123,310 tons. There are also some coal pits in the Damini which are worked by manual labour. The coal extracted from them is inferior in quality and is generally fit only for burning bricks and lime, the annual average output of such coal being 1,230 tons. About 3,20,156 tons of stones chiefly igneous rocks are quarried in this district.

Mattocks, picks, ploughs, hooks, knives, shoes etc are manufactured, tanning baskets, bamboo mats, chiks or screens are also made, ghee, oil, gur, lac (shellac) are prepared.

The Chief imports are gunny bags, linseed, mustard seed, tobacco, raw cotton, sugar, refined and unrefined molasses, European, Bombay and Japanese piece goods, salt, kerosene oil, coal and coke. The Chief exports are food—grains including paddy, maize, Sabai grass, road metal, hides and raw fibres. The trade in hides is chiefly carried on in the headquarters and Pakaur Subdivisions where regular hide godowns are kept by Mohammedan merchants. The chief centres of trade are SAHIBGANJ, MADHUPUR, DEOGHAR, PAKAUR and DUMKA and the big traders are mostly Marwaris. The principal mart is SAHIBGANJ (E I Ry Loop) from where about 350,000 maunds of Sabai grass are sent to the paper mills. There are four rice-mills at MADHUPUR. One rice mill, two small flour mills and a soap factory at DEOGHAR, one oil mill at PAKAUR and four oil mills and one flour mill at SAHIBGANJ.

DEOGHAR—Big size arhar known as Maghi arhar is available here in large quantities. Rice and paddy, jute, mustard seed, castor seed, ghee, til, myrobalans, linseed, mahua (seed and flower both) and other articles from the rich valleys around are brought for sale. It has got several flower gardens whence roses are daily sent down to Calcutta. It contains the temple of Baidyanathji, and people assemble there specially during Sivaratri in March, Jhulan in August and Bhado—Purnima in September. Ghee and curdled milk as also Chirah (pressed rice) are obtainable here in abundance and are of good quality.

MADHUPUR—It is a health resort some 190 miles from Calcutta. It stands on the E I Railway Main line. The local hat is held twice a week close to the Railway Station. On 'hat' days there is an abundant supply of rice, paddy, arhar, mahua (flowers and seeds), myrobalans, timber, goats and fowls. Food grains and raw materials, tamarind, mustard seed, etc., are also available in sufficient quantities. Madhupur exports large quantities of Mahua flowers and seeds and myrobalans to Howrah.

PAKAUR—It is an important trading centre. Export business is carried on with Calcutta and other places in Bengal, and the exports chiefly consist of rice, paddy, gram, peas, castor seed, dal.

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sugarcane Acreage under crops in 1936-37: Rice 546,000, wheat 242,000, maize 36,400, barley 103,000, jowai 14,400, gram 277,000, cereals and pulses 323,000; arhar 66,000, linseed 89,000, rape and mustard 11,000, condiments and spices 7,230, sugarcane 46,500; fruits and vegetables 76,000, total 1,851,000

There are three sugar mills in the district, viz at BIKRAMRANJ, BUSLAR and DEHRI. Sugarcane pressing machines made of iron are made at BEHEA. Carpets, bed sheets and pottery are made at SASARAM. Blankets are made at NASRIGANJ. Carpet weaving is carried on at BHABUA. There is an oil mill at NASRIGANJ.

Blankets and cotton cloth are also woven. Boatmaking, stone cutting, flour grinding and sugar refining are the other industries there. Carpet weaving is carried on at BHABUA.

The imports are rice, gram, other food grains, piecegoods, kerosene oil, coal, coke, etc. The exports are wheat, gram, pulses, oil seeds, raw sugar and gur.

The chief trade centres are ARRAH (population 48,922), 368 miles from Calcutta. BEHEA, BIRTA, DUMRAON, BUXAR and CHANSA.

The traffic is carried by rail mainly, but there are good roads also throughout the district. The Ganges is navigable throughout the year and considerable local trade also passes by it.

Cattle fairs are held at BEHALUNI, P. S. Bikramganj in Sasaram Sub-division in the month of Chait or about Chait Naumi day (April) where bullocks, cows and buffaloes are sold and at BARAHPUR in Buxar Sub-division for a week on or about Falgun Shivaratri (March) and Baisakh Shivaratri (May).

SINGHBHUM DISTRICT.

The SINGHBHUM district in the Chota Nagpur Division occupies an area of 3,879 sq. miles and contains a population of 9,29,802. Hindusthani and Ho languages as a matter of fact are the principal languages of the district. The average rainfall is about 54". More than 1,200 sq. miles are under Government reserved forest.

The chief crops in the district are rice, oilseeds including rape, mustard, sargu, maize, marua, millets and cotton.

The district is very rich in minerals. Extensive deposits of iron ore occur in the district and are mostly treated by Tata Iron and Steel Works at Jamshedpur and by the Indian Iron and Steel Company at Kulti and copper ores are treated by the Indian Copper Corporations at Mombhandar near Ghatsila, B. N. Ry. Copper ores exist here, gold is found, limestone and kankar are also found here.

The chief exports are sal, paddy and rice, oilseeds, stick-lac, iron, tassar, silk-cocoons, hides, sabai grass, chromite, manganese, white clay, red and yellow ochres, soapstone and limestone. The chief imports are salt, cotton yarn, piecegoods, tobacco, brass utensils, sugar, coal, kerosene oil and coke. Trade is gradually increasing, and timber in increasing quantities is sent away from the district. The district is well provided with rail (B. N. R.) and good roads. The road from Chakradharpur to Ranchi is kept in good order.

CHAIBASSA.—It is the Sadar Station of the district and the distance of 194 miles from Calcutta is reached from Howrah station to Chakradharpur via Kharagpur or via Asansol on B. N. Ry. It is also reached via Kharagpur, Rajkharasawa, B. N. Ry. to Chaibassa. Railway Station on the Amda-Gua branch of B. N. Ry. The town of Chaibassa is 16 miles from Chakradharpur and is only $\frac{1}{2}$ mile from the Chaibassa Ry. Station on the B. N. Ry branch at the Amda-Gua branch line. The town is 16 miles from the station which is covered by a

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Coarse cloth is woven Brassware of SIWAN is famous as also pottery of the place Saltpetre is made. Several sugar factories are situated in the district Shellac and indigo are also manufactured Imports of food grains largely exceed exports Rice milling is done

The principal imports are rice, other food grains (from Mirzapur Darbhanga, Bhagalpur), cotton piecegoods, salt, kerosene oil, coal and coke The imports are opium, sugar, indigo, saltpetre, shellac, molasses, linseed, mustard seed, gram, pulses and other food grains Traffic is carried by railway

CHAPRA (population 47,448) the district headquarters, is a river port on the north bank of the Ganges It is one of the important marts in the district and gram, wheat, linseed, mustard-seed, jaggery, molasses, tobacco, chillies, potatoes, onions, sugar, turmeric, poppy-seed, arhar, oilcake, castor oil, khari salt, maize, garlic, butter, blankets, hides, etc are brought here in abundance for sale Saltpetre, khari-salt, ghee, castor oil cake, potatoes, sugar and arhar dal of Chapra are well known and have got a more than local reputation Saltpetre business is carried on almost throughout the year and is most profitable, and large quantities are exported to Calcutta The local handicrafts consist of weaving of coarse cotton cloth (exported to Patna and the colliery district), and blankets (which are produced in abundance and exported to Calcutta and other places) Goods are transported by steamer, rail, and boats

The other principal marts are REVELGANJ, SIWAN, MAHA-RAJGANJ, MIRGANJ, DIGWAR, SONEPUR (where the famous cattle and horse and elephant fair is held during November) and MARHATTWA and PANCHRUKHI The district is fairly well supplied with railway and good roads

A list of fairs—Kartik Ashan mela (Harihar Chetra) at Chapra sub-division, Sevan 11 days, 30th Kartik (November) is the bathing day, mela begins on week before 400,000 souls visit every year. Large number of cattle, horses elephants are sold

Shivaratri mela at Silhauri P. S Marhowrah Ry St Marhowrah, 13th Fagun (March) one week and 18th. Baisak (April) 20,000 people flock in from great distances to worship mahadeo (Siva) and to sell and buy cattle and miscellaneous goods

Ram Navmi Mela at Dumaisan P S Masrakh Ry St Masrakh, 24th Chait (April) 2 days. 25 000 people assemble Horses, buffaloes and bullocks are sold in large numbers

Kartik Ashan Mela at Godua, P S & Ry. St Reviganj, 30th Kartik (November) bathing day, 4 days 35,000 people mostly women attend the fair, next to Sonepur fair, it is the largest cattle fair in this district

In Gopalganj S D.—Thawe, March and April, Manjha, October, Hathwa, Dasara festival, Bederyim, October and March, Barapatti, October and March

SHAHABAD DISTRICT.

The SHAHABAD district in the Patna Division has an area of 4,353 sq miles and a population of 1,991,061 Hindi, Urdu and Bhojpuri are the languages of the district

The district consists of two district tracts differing in climate, scenery and production The temperature of the district is extreme but the climate is healthy Average rainfall is about 45" Clay is the predominating soil but is mixed with sand at several places

The chief crops are rice, maize or moka, maize, jowar, bajra, cereals and pulses (wheat, barley, oats, gram and linseed), poppy and

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MARKET PLACES OF THE UNITED PROVINCES.

THE United Provinces of Agra and Oudh has an area of about 110,000 square miles and a population of 49,614,833 including that of States

The greater portion of the Provinces is a level plain. The Gangetic alluvium is still carried down from the Himalayas and deposited on the banks of the river as silt. In the hilly tracts stone and other minerals are found.

The Upper Ganges Canal, the Lower Ganges Canal and the Sarda Canal system help the irrigation of the province. Formerly goods were transported over the Ganges but the opening of railways and roads have largely altered the state of things and has given great impetus to the agricultural classes.

Rainfall.—Vegetation is on the whole uniform, differences being due to variations in rainfall and temperature. In the East the rainfall is heaviest, the average being 50", in the West the average is about 30" and in the Himalayan tracts as high a figure as 110" is recorded at Mussorie, and Dehra Dun gets about 120". Storms and cyclones are rare in the province.

Soil.—There are three varieties of soils in the Provinces—the valley of the Himalayas, the main alluvium and the Central Indian alluvium. In the Himalayas, cultivation is carried on small patches where ground is level. System of cultivation is determined by conditions of the soil and rainfall.

Crops.—Wheat, barley, pulses, rice, millets and maize are the staple crops according to the nature of the soil. Irrigation is the main source of water for cultivation. Gram, jowar and bajra are also largely grown. Peas, masur, khesari, marua, pulses and among oil seeds, til, mustard, linseed and castor are cultivated and are classed as dry crops. The United Provinces produces more sugar than any other province and ranks second only to the Punjab as a wheat growing area. Cotton occupies about 4 per cent of the cultivated area and constitutes the main fibre crop. Sugarcane is an important crop, indigo cultivation is declining. The cultivated fruits are mango, mohua, berry, pomegranate, peach, custard apple, guava, jack fruit, tamarind, pineapple, plantain, shaddock and several varieties of figs, melon, lime, orange and citron. Vegetables are everywhere cultivated in garden plots. The agricultural implements are simple and the size of the plough and other implements depends upon the pulling capacity of the local cattle. Chief crops in the Province are—Rice 61 million acres, wheat 70 million acres, sugarcane 2½ million acres, cotton 695,000 acres, linseed 845,000 acres, rape and mustard seed 2,578,000 acres, sesamum 1,068,000 acres, tobacco 184,000 acres.

The districts where the crops are more abundant are as follows: Rice—Gorakhpur, Basti, Gonda, Bahraich, Allahabad, Azamgarh, Fyzabad, Kheir; Wheat—Gorakhpur, Meerut, Gonda, Moradabad, Azamgarh, Allahabad, Basti, Cawnpur, Jaunpur, Partabgarh, Cholaam—Jhansi, Cawnpur, Banda; Cambu—Agra, Banda; Maize—Bahraich, Banda, Gram—Banda, Hamurpur, Meerut, Allahabad, Pulses—Gorakhpur.

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convenient motor service. The place is hilly and healthy. The adjoining country produces paddy, rice, silk, lac, tassar, wax, honey, mustard and castor seeds, stone utensils, etc. It is noted for timber and rice, and rice from this place is exported to all the coal fields. Sal-timbers are largely obtainable here and are purchased by merchants from Calcutta and other places. Agricultural products are brought to this place by carts and are exported to different places by rail.

RAIGARH —It is 365 miles from Calcutta on the B. N. Ry. Myrobalan, sal wood, wax, til, dhuna, seti, kajla mustard seeds, etc. are the chief articles of trade here. It is a well-known mart in the district. Forests are many in the neighbourhood and various forest products are available here besides sal timber, business in which is a highly profitable one. Kat-til can be had here in plenty. Goods are sent away by rail.

TATANAGAR (population 83,738) —It is one of the most important industrial towns of India and is the seat of the iron industry in India. It stands on the B. N. Ry. The iron and steel works of Messrs Tata Iron and Steel Company are situated here. The rapid development of this modern town in the last ten years is a remarkable achievement.

It was the great genius of Sir J. N. Tata who saw possibilities of starting an iron and steel industry and actually gave shape and form to his ideas. Since the discovery of iron belt in 1905, the exports of pig iron were going considerably up. It was in 1907 that the Tata Iron and Steel Company was established to put a stoppage to the exports of iron ore. Pig-iron was first produced in December, 1911 and steel in 1913. In the second year of production July 1913 to July 1914 the output of pig iron was 155,383 tons, and of finished steel 48,372 tons. During the war the demand for iron and steel increased and other companies came up to manufacture iron and steel.

The output of the principal products during 1936 was as follows — Coke 730,000 tons, Pig iron 900,000 tons, Steel ingots 880,000 tons, Saleable steel 646,000 tons.

The production in 1936 was the highest so far attained in any one year. An increased output was recorded in practically all products. The production of high-tensile steel, mostly for wagon-building, was continued.

Many improvements have been made in the equipments. The second new unit at the Sheet Mills, has been brought into operation. The coal mixing bunkers at the Coke Ovens came into operation in June 1935 and have facilitated the blending of the various coals and led to better control of the coke plant. A new battery of Coke Ovens and new bye-product plant has been constructed. The new Sulphuric Acid plant operated by the contact process commenced working in July 1935. "E" Blast Furnace has been entirely rebuilt and new stoves provided. The capacity of the furnace is about 750 tons per day. The Normalising plant at the Plate Mill has been installed. An Electric Furnace has been installed at the Foundry. This will enable the Works to meet its numerous requirements of small steel castings. The erection of the boilers at the new power house is proceeding.

Other subsidiary companies at Jamshedpur are (1) The Tin Plate Company of India, Ltd., (2) The Indian Cable Company, (3) The Indian Steel and Wire Products, (4) The Tatanagar Foundry Company, (5) The Tatanagar Chemical Company, (6) The Indian Hume Pipe Company, (7) The Jamshedpur Engineering and Machine Manufacturing Company.

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Cottage Industries:—Cotton ginning, weaving and spinning is a home industry at Azamgarh, Fyzabad, Aligarh, Etah, Saharanpur and Muzaffarnagar. Attempts are being made to push on the manufacture of fancy borders for saris which have a very large demand in the Provinces and machinery for the manufacture of these sari borders are being imported. Meerut is a chief centre of the weaving industry. Benares and Jhansi are centres of silk weaving industry and Mau in Fyzabad is a centre of artificial silk weaving. Shahjahanpur-spun silk industry is progressing. There is a small local trade in blankets in every district and woollen cloths and ropes and coarse cloth from goat's hair are made in the Himalayan districts and at Mirzapur. Cotton carpets and durries are made in every jail, those of Aligarh, Bareilly and Agra being notable. Mirzapur and Agra are centres of woollen carpet weaving, other centres being Jhansi, Moradabad and Cawnpore. Rugs, prayer mats, horse cloths, saddles, etc. are also made. Power spinning and weaving is progressing. Hosiery is another rapidly progressing industry and several power hosiery plants have been installed at Cawnpore and Meerut. Dyeing and printing are established industries. There are many goldsmiths in the towns and villages. Blacksmiths make and repair agricultural implements everywhere in the province. Tatpatti woven of sunn fibre are made in the district of Shahjahanpur, Partabgarh, Bareilly, Fatehpore, Bijnor, Azamgarh, Basti, Sultanpore and Baiabanki. Basket weaving from munj, jhan, and jhankar are practised at Allahabad, Pilibhit, Hardoi and Moradabad. Brass and copperware are made in Partabgarh, Gonda, Kheri, Muzaffarnagar, etc. Marble work with stone is done at Agra, wood carving is practised at Saharanpur, Nagina and Mainpuri, and Bareilly. Wood-carving work is done at Saharanpur and Muzaffarnagar and silver, ivory, hide, chicken, clay and printing industries obtain at Lucknow.

Major Industries.—Mill industries are textile making, tanning, sugar factories, soap making, leather goods, match and cigarette making, paper making and shellac factories. At Cawnpore has been started the first jute mill in the province. Matches are made at Bareilly. Locks and padlocks are made at Aligarh. Moradabad and Benares are centres of metal utensil making. Pottery is made everywhere, specially in Chunar, Aligarh, Azamgarh, Lucknow, etc. Glass factories exist at Allahabad, Aligarh, Mainpuri, Etawah and Ferozabad.

Factories:—The number of registered factories in the United Provinces at the end of 1935 was 496. Among the factories registered during the year there was a large number of sugar factories. Only 477 actually worked during the year. The average daily number of persons employed in the registered factories, as obtained from the annual returns submitted, was 139,260, against 125,986 in the previous year, over 95 per cent of this is adult male labour. About 64 per cent of the total number of persons were employed in perennial factories and 36 per cent in the seasonal concerns. The increase in the number of operatives is again mainly due to the registration of sugar factories.

Trade:—The chief trade centres are Cawnpore, Allahabad, Mirzapur, Benares, Lucknow, Meerut, Aligarh (Koil), Muttra, Agra, Furrakhabad, Moradabad, Chandausi, Bareilly, Saharanpur, Pilibhit, Hathras, Shahjahanpur. The chief articles of trade are raw cotton, cotton goods, grains, oilseeds, hides and skins, brass and copperwares made at Mirzapur, Benares and Lucknow. The imports are raw materials and materials ready for consumption. Calcutta, Bombay and the Punjab participate in the trade of the Provinces.

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pur, Azamgarh, Ballia, Fyzabad, Ghazipur, Mirzapur, Sitapur, Lmseed—Gonda, Sesame—Hamirpur, Jhansi, Rape and Mustard—Bahraich, Sugarcane—Gorakhpur, Meerut, Muzaffarnagar. Cotton—Meerut, Poppy—Budaun, Fyzabad, Ghazipur.

Sarda Canal Scheme:—With all its branches, minor channels, and distributaries the total length of the Sarda canal system is about 4,260 miles with about 7 million acres of cultivable area. The canal traverses the Pilibhit, Shahjahanpur, Kheri, Sitapur, Hardoi and Unao districts.

Crops worth nearly Rs 6½ crores, including sugarcane valued at about Rs 3 crores and wheat at about Rs. 1½ crores, have been raised in the United Provinces during 1935-36 with the help of irrigation water from the Sarda canal. The total irrigated area was over 1 million acres.

Apart from protection against famine which the canal affords to the millions of people whose livelihood depends upon its waters, this waterway has given great impetus to the launching of a sugar industry in the province.

Timber:—Semul and gutti logs for match making and other purposes are met with in Haldwani, Ramnagar, Terai and Bhabar Estates. After meeting the full requirements of the match factories in the Provinces it will be possible to supply a considerable quantity of these timbers to the match factories outside it.

Cattle:—Good breeds of cattle are found in Bundelkhand and in the submontane tract of the north. Sheep and goats abound in the Provinces and cattle fairs are held in many places, and those at Baresilly (Agra), Kosi (Muttra), Gola (Khetri), Fakhirpur (Bahraich), Mokkanpur (Cawnpore), Nauchandi and Garhmukteswar (Meerut) are famous.

Minerals:—U P is not rich in minerals. Peat is found in Upper Doab and Coal in the Southern Mirzapur, iron and copper ores are found in the Himalayan districts. Limestone is found in the Himalayas and stone in Mirzapur.

United Provinces Budget:—The United Provinces budget estimates for 1937-38 showed a revenue deficit of Rs. 12,68,000, the receipts and expenditure being Rs 1,25,407,000 and Rs 1,26,675,000 respectively. The deficit includes Rs 3,68,000 unreal leaving the actual deficit to Rs 9 lakhs. The capital expenditure amounts to Rs 117.63 lakhs. Receipts from loans are Rs 2 crores. Presenting the budget estimate in the Assembly the Premier referred to the following unique features of the budget—

Beneficent department Rs 26,50,000, compared with actual expenditure in 1936-37 there is an increase of Rs 23 lakhs in nation-building departments, while a decrease of Rs 12 lakhs under heads general administration, justice and police, Rural development Rs 10 lakhs, Rural libraries Rs 20,000, Supply of good seeds to villagers Rs 5 lakhs, Potato research Rs 5,000, Research work in Khadi Rs 10,000, For development of handloom industry Rs 1,24,000, For combating malaria Rs 80,000, For improvement of medical relief in rural area Rs 1½ lakhs, to youngmen to establish industrial undertakings Rs 1 lakh.

The Hon'ble Premier also announced that he intended prohibition to commence from next year, since excise sales have been made by the former Government and it was not possible for his Government to introduce any change in the excise policy. He also said that Rs 10 thousand have been allotted for the appointment of a special officer to eradicate evil in the services.

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Firozabad factories are now equipped with the Japanese type of furnaces and a few are taking to the manufacture of bangles by machinery.

Chief fairs are: Mau, Sitla Fair, Every Monday in the month of Asarh, 4 days, Sikandia, Kailash Fair, 3rd. Monday in the month of Sawan, 1 day, Itaura, Devji's Fair, from Chait Sudi 7 to 9, 3 days; Agra Cantt Ry. Station, Kamalkhan Fair, on Thursday in the end of Kanagat, 1 day, Jamna Kinara and Ram Bagh Teraki Fair, 3rd Thursday of the month of Bhadore, 1 day, Fatehpur Sikri, Uis fair of Sh. Salm Chisti from 26th Ramjan:

ALIGARH DISTRICT.

The ALIGARH district occupies an area of 1,952 sq miles and contains a population of 1,171,745 who speak Hindi and Urdu

Soil is alluvial generally with saline efflorescences (reh) The climate is generally good and the average rainfall is about 26". It has sandy ridges and light soil and the best lands are generally doubly cropped. Sugarcane is grown in plenty The principal crops of the district are wheat, barley, jowar, gram, maize, and arhar Cotton is the most important of the other crops grown.

Acacia, neem and mango trees abound in the district, but, all the same timber has to be imported for building purposes In most parts of the district antelope and wild hog are found Horse-breeding has become very popular at Aligarh, and Government maintains a number of stallions here. Kankar for road making and saltpetre and glass are available.

The district is the centre of cotton weaving, and rug and carpet making, lock factories, cotton spinning and ginning works and dairy farms.

The district exports grain and cotton, oilseeds, country goods, glass and saltpetre and imports sugar, rice, piecegoods, spices, metals and timber Brass utensils are made at HATHERAS and ATRAULI The district is famous for lock Buckets, spades, khurpas, karhais are also manufactured

ALIGARH —Aligarh stands on the Grand Trunk Road at the junction of E I. Railway It is the seat of Muslim University where Muslims and non-muslims are educated There is a historic fort where the battle between Lord Lake and the Marathas was fought in 1803. There is also a big mosque situated in the heart of the city, built by Sabit Khan a governor of the Mughal dynasty Aligarh is famous for its manufacture of locks and other brasswares. It is also famous for manufacture of Daries, bangles and other glass-wares The factories well-known in Aligarh are —Sparlings Lock Factory, Johnson's Lock Factory There is Khandelwal glass works at Sasni There is big dairy farm under the proprietorship of Mr. W. Keventor, a Swedish gentleman, which is famous for its manufacture of butter and cheese. They also manufacture Pork There are other butter factories in the city, turn out butter in large quantity. There is also a big agricultural farm supervised by the government in village Kalai and the one in Aligarh has been made over to the Muslim University for training of the students by the government

Aligarh is also famous for horse breeding and a large number of colts are purchased every year by the Army Remount Department, during the days of exhibition The Army Remount Officers spend a large sum of money in distributing the prizes to good horse breeders of the district in the annual shows Aligarh has got a very good Clock Tower which is named as Harrison Clock Tower in the civil lines

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Transport and Communication:—The E I Rly, G. I. P Rly, B. B. & C I Rly, R & K Rly. and B. & N W Rly. traverse the Provinces making a network of railways. The total lines open in the Provinces are about 4,000 miles. There are about 8,000 miles of metalled roads and more than 27,000 miles of unmetalled roads throughout the Provinces.

Almost all the big towns have a good number of tongas and motor buses, for carrying passengers, within the towns as well as for taking passengers into the interior from towns and wayside stations. Goods are carried by motor lorries now-a-days in some places.

AGRA DISTRICT.

The district of AGRA is 1,405 square miles in area and contains a population of 1,048,16. The languages spoken are Braja Bhasha and Uidu (in the City). The distance is 829 miles. The average rainfall is 26".

The staple food crops of the district are bajra, gram, jowar, wheat, barley and cotton. Cattle are generally imported from the Punjab and Central India.

AGRA (population 229,764), the capital of the district is an important centre of arts and manufactures, specially of marble articles beautifully inlaid with precious stones. It stands on the Jumna.

The city is particularly of interest for the TAJ MAHAL built by the Emperor Shahjehan. The "dream in marble" as the great Taj Mahal has been called, lies on the bank of the Jumna and attracts travellers from far and near. Other historic buildings of interest are the Juma Masjid and opposite to it the Fort on the river, the tomb of Itimad-ud-Daula and the China-ka-Rauza on the left bank of the river, and the magnificent tomb of Akbar at Sikandra, about 5 miles north-west of the city. The town is particularly noted for its architectural works of white marble stone, toys, plates and dishes.

Ropes, blankets and carpets are manufactured here in cottages (handlooms) and factories. The production of carpets is the most important outturn of the Agra Central Jail. Satranjes, galichas, soft stone nahicha, brass and bellmetal utensils, shoes, cotton and woollen cloths are famous and are available in abundance. There are several oil mills and cotton weaving and spinning factories and bone mills. Glass is manufactured on a large scale. Embroidery works of pure lace are done artistically. Soapstone and looking-glass frames are available here, small round boxes are also made and sold to different provinces and towns. It is a centre of better quality hides and skins which are generally obtainable from the slaughter houses situated here. Guts and casings are also available at this place. It is a great mart for mustard seed, wheat, rye, masur dal, linseed, gram, etc. Being situated on the border of Rajputana it has become an important collecting centre of grain, oilseeds, cotton and ghee from the States of Rajputana. The States of Rajputana and Central India receive in their turn cotton goods, metals, sugar, salt, tobacco, etc. through Agra. Goods are despatched and received by rail.

The principal commodities arriving by rail into AGRA are coal and coke, gur and sugar, salt, Indian piecegoods, wheat, jowar and bajra, oilseeds, gram and pulses, tea, tobacco, hides and skins and salt-petre. The chief despatches by rail are gram and pulses, wheat flour, oil cakes, gunny bags, etc.

FIROZABAD (population 23,154) —The place is famous for glass bangles. The industry is stated to have made great headway, and rubyred, amber and granite block, glass and bangles are now common.

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HASAYAN—A fair is held for 9th. to 12th. day of Bhadra Sudi in which agricultural implements are sold. It is about 4 miles from Ratika Nagla Station.

ANDOLI—In this village moonddhas are prepared and sold. It is about 5 miles from Ratika Nagla Station.

CATTLE FAIRS are—Akrabad, every Thursday; Sikandra Rao, Bhadia, 15 days, (Naglu Bahram) Jaith, 15 days, Sikandra Rao at Laskerganj (every Wednesday), Sankura near Kasganj, Jaith 10 to 15.

NAI NAGLA AHAR—Here in hamlet Jaitpur alias Negla Kaina Moonddhas are prepared and sold. It is about 5 miles from S. Rao.

OTHER FAIRS are—Kazimabad near Atrauli Road Station. Deo Chhat Fair, Bhadon Sudi 6, Binauli near Atrauli Road Station. Shiv Ratri mela Phagun Badi 14.

Annually a District Fair takes place in Aligarh, which is called by the name of "The Government Horse Show and District Fair, Aligarh." This fair is run by a managing committee presided over by the district magistrate of Aligarh.

ALLAHABAD DISTRICT.

The ALLAHABAD district stretches over an area of 3,852 sq. miles and is inhabited by Hindi and Urdu speaking population of 1,491,913.

The district is on the whole fertile, the only hill here being the Pabhra on the bank of the Jumna. The climate of the district is generally good and annual rainfall averages 38". The land is low but rich and alluvial called kachhar, producing magnificent crops of the Ganges Valley.

The district is a good rice land and sugarcane is grown besides the ordinary food crops and oil seeds. Cattle are kept and good ghee is available. The crops raised are rice and gram, barley, bajra, jowar, wheat, oilseeds and sugarcane, on the Jumna side, cotton is grown in the Doab, poppy and hemp are also cultivated. Irrigation is done by canals and wells.

Sugar refining is carried on at SERAI-AKIL. Brass and iron foundry and castor oil factory are situated at MANAURI. There are glass factories near Allahabad. Bamboo baskets, locally made, are in good demand. Brass utensils are made at PHULPUR.

The principal exports are grain, cotton, oil seeds, sugar, ghee, etc., and the chief imports are metals, salt and piecegoods. Trade is still mainly carried on by rivers.

ALLAHABAD (population 183,914)—This town was once the headquarters of the Provinces and was once in a very flourishing condition. But the political importance is now being gradually shifted to Lucknow. But it is still the chief educational centre of U. P. It is a great junction of the E. I. Railway, G. I. P. Railway and B. & N. W. Railway. All sorts of commercial products are dealt in here. It is situated at the confluence of the Ganges and the Jumna and is a famous place of pilgrimage of the Hindus. The Kumbha Mela is held here at an interval of 12 years, and many sadhus and countless Hindus from all quarters assemble here during January. There are several oil mills, flour mills, and workshops here. Glassware is made at NAINI, near Allahabad. The Allahabad Glass Works manufacture electric shades, coloured sheet glass and aerated water bottles. It is also a centre of Railway administration. There is a tannery and grains and seeds are exported from this place in abundance.

The place is healthy and the surrounding country is very fertile. It is 564 miles from Calcutta and 844 miles from Bombay. The rail-borne imports into the city consists of coal and coke, rice, wheat, gram.

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HATHRAS—Hathras is second only to Cawnpore as an important centre of trade in U. P. Trade connections are generally with Cawnpore, Bombay, Calcutta, and Delhi. Very good quality of Ghee and pure mustard oil are obtainable here in large quantity and are also exported. The oil seeds from this place are sent to different districts of Western Bengal and are also pressed, and oil is also extracted here in the mills. Dal Ahar is also prepared in large quantity and is exported. There are also several spinning, weaving, and ginning factories. There is also one tin factory, which prepares canisters, and these are exported outside the district. This place is also famous for steel knives. Goods are exported by means of Railways (B B & C I and E I R) as well as by carts. Imports consist of piece goods, salt, kerosene oil, other fancy and manufactured articles from Calcutta and Delhi. The climate of the place is on the whole good, and articles are good and cheap. As a centre of trade it is of greater importance than Aligarh. One DANJI FAIR also takes place here on Bhadon Sudhi Chhat every year, when many people come here from outside the Tahsil.

There is also one flourishing glass factory at SASNI within this tahsil, where glass work of every kind and of fine quality is prepared and exported outside the District. There is also one small glass factory at Hathras junction.

One CATTLE PAINTH at town Mursan situated within this tahsil also takes place on every Tuesday, where many cattle from far and near are brought for sale, and there is no other painth in the locality which attracts so many people as are gathered in this painth. Brass utensils are also manufactured locally.

An art and industrial exhibition is held at HATHRAS in November and December.

KHAI TAHSIL—The general surface of the Khair Tahsil is fairly level except where broken by Bhur ridges as subject to the action of water. In the extreme west there is the Jamna khadar. The soil here is very hard and unmanageable and much inferior to the uplands. Sugarcane is grown in plenty. The principal crops of the tahsil are wheat, barley, jwar, bajra, gram, maize and arhar—cotton is the most important of the other crops grown. Area under crops in 1936-37 is 2,29,811 acres—

Wheat (19,815), wheat and gram (15,169), wheat and barley (2,767), barley and gram (35,366), barley (11,047), gram (19,117), peas (9,219), jwar (10,799) bajra (15,881), jwar and arhar (12,771), bajra and arhar (4,485), Maize (15,158), cotton and arhar (12,714), cotton (8,333), fodder crops 16,378).

This is a purely agricultural tahsil. There is a ginning factory at Gabban and a sugar factory at Birpuria and another at Gabhana. There is a cattle market at Khair which is held every Tuesday. A cattle fair is held at Gabhana annually. Saltpetre is found in some villages in the vicinity of Jamna River.

AKRABAD—This village is situated on the Grand Trunk Road about 13 miles from Aligarh. Here glass bangles, beads etc. are manufactured.

PURDILNAGAR—This town is situated about 2½ miles from S Rao and is connected with the Grand Trunk Road. Here glass curtains, bangles, and buttons etc. are manufactured.

BASHAD—A fair is held on Bhadon sudi Chhatt each year and a large number of donkey and ponies are sold in it. It is about 4 miles from Naglu Rati station.

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AZAMGARH DISTRICT.

The AZAMGARH district lies in the Gorakhpur division with an area of 2,147 sq miles and a population of 1,571,577. The local dialect is called Bhojpuri. The climate is on the whole healthy and the average rainfall is about 41".

Soil of the district consists of clay in the south which produces abundant rice while loam prevails in the north. The main crops grown are rice, barley, peas, kodan, wheat, arahar, gram, mize and marua. Sugarcane however is the valuable crop of the district, besides indigo and poppy which are also grown in large quantities. The district produces about 65,000 mds. of sunn fibre. Tatti weaving is practised on the wide scale, the goods being sent to Calcutta or Cawnpore.

Chief crops are—Rice, wheat, barley, maize, gram, other grains and pulses and sugarcane.

Sugar refining and weaving of cotton cloth are the chief industries. MABARAKPUR, MAU and KAPAGANJ are the chief centres of weaving industry. The main imports are grain, piecegoods, yarn, cotton, silk, tobacco, salt, metals, hardware and drugs. The exports are sugar, cloth, oil seeds, indigo, saltpetre, etc.

AZAMGARH town (population 18,046), is situated on the railway line on the loop of the Tons. The goods are carried by railways chiefly, there being only a very small boat traffic.

BAHRAICH DISTRICT.

The BAHRAICH district lies in the Fyzabad division covering an area of 2,740 sq miles and with a population of 1,136,348. Hindi and Urdu are the languages spoken here. The climate is moist and the rainfall averages 46".

Soil of the district consists of loam and clay with a portion of the Terai on the Nepal frontier. The crops grown are wheat, rice and maize, gram, barley, peas and masur, poppy, oil seeds, etc.

Area under crops in 1935-36 in 1,000 acres—Rice (373), wheat (222), barley (37), jowar (80), bajra (12), maize (229), gram (140), linseed (21), sesamum (31), rape and mustard (344), sugarcane (133), tobacco (14), fodder crops (17), fruits and vegetables (20).

Coarse cotton cloth is woven here for local use. Felt making, small rugs and blanket making are the other industries besides wood carving. Bellmetal wares of this district are famous.

The chief exports are grain, forest produce and oil seeds, while the imports consist of metals, piecegoods, salt and sugar. Timber is floated down the river, the chief markets are BAHRAICH, NAUPARA, PAYAGPUR.

BAHRAICH (population 33,733) is a trade centre with increasing traffic with Nepal. Gram, oil seeds and spices come here from Nepal and piecegoods, metals, salt, tobacco enter Nepal through the Railway Station of NEPALGANJ.

A branch of Bengal and North-Western Railway passes through Bahraich. The shrine of Saiyid Salar Masud, a famous warrior and saint, is a place of interest in the town.

Important fairs are—In TAHSIL BAHRAICH, Jaisinghapur, July, Asarh Purnamashi; Sita Dohai, November, Kartik Purnima, Bahadurpur ghat, Nov., Kartik Purnima, Mela Dargah Syed Salar Masud Ghazi, Bahraich, May, 1st Sunday of each Jeth, for 10 days;

In TAHSIL QAISARGANJ, Ram Lela Dasehra at Qaisarganj, Oct. Kunwar Sudi Astmi for 10 days; Barnapur, Oct., Kunwar Purnamashi, for 3 days, Ghcor at Ghoharipur, July Asarh Sudi Purnima 15 days.

In TAHSIL NANPARA, Guptnath, Oct., Kuar sudi Purnamashi, Takua Shah Suja, Kuar Sudi Purnamashi, 3 days; Baba Munda Shah,

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and pulses, kerosene and petrol, piecegoods, sugar, tea, wood and timber, etc while the railway despatches from the city are gunny bags, jowar and bajra, linseed, tobacco, etc

DARANAGAR—The articles of trade of this place consist of grains, wheat, castor seed, linseed, poppy seed, seti-mustard, arhar, masuri, khesari, ghee, etc., which are largely imported here from the surrounding villages. Poppy seed of this place is very good and is obtainable in abundance. The place is healthy.

KHAGA—All sorts of grains are available here in abundance and are exported by rail. Mustard and poppy seed of the locality are of the best quality and are exported in large quantities. Goods are brought here by carts and sent away by rail. The place is healthy. Milk and ghee are available.

SIRSA is a trading centre in the district. There are also many smaller markets in the interior. The district is traversed by the main line of the E. I. Ry.

An important fair is held at Allahabad every 12 years and is known as Kumbha Mela.

ALMORA DISTRICT.

The **ALMORA** district extends over an area of 5,500 sq miles in the Kumaon division and has a population of 583,302 souls. The district is mostly hilly and snowy peaks are common sights. Hindi is the language spoken here. Average rainfall is 80".

Cultivation in the district varies according to height and situation. The staple food crops are maize and rice in autumn, and wheat and barley in spring. Minor vegetables and millet and maize are also cultivated. The hills also produce turmeric, ginger, chillies and potatoes. There are wide areas under reserved forests.

Copper is mined here by indigenous methods. There are also several tea plantations. Blankets, woollen cloths and shoes are made for local use. Breweries work at **RANIKHET**. Blanket making is progressing in Almora where 5,000 hand spindles are now working. Manufacture of copper, brass and iron utensils is carried on at several places in the district. Wooden jars, bowls and cups of the district are popular. Collected honey is a commodity of sale. Pitakas from reeds and ringal bamboo are made in **DANPUR**, etc.

The district exports chillies, ginger, turmeric, tea and forest produce in increasing quantities and imports grain, cloth, sugar and salt. There is a good trade in borax, salt and wool with Tibet, merchants from that place bring these articles and take manufactured goods in exchange.

The centres of trade are **ALMORA** (a health resort), **CHAMPAWAT**, **PITHORAGARH** and **RANIKHET**.

The principal fairs in this district are the Jaul Jibi mela in Tahsil Pithoragarh which is held about the middle of November. At this fair the Bhotias sell the articles brought from Tibet. It is also a market for copper vessels, ponies, pitakas and blankets, etc. The Uttaram fair is held at Bageswar about the middle of January. The articles sold are practically the same as at Jaul Jibi. The third important fair is at Thal, Tahsil Pithoragarh, about the beginning of April. The articles sold are practically the same as at Jaul Jibi. The third important fair is at Thal, Tahsil Pithoragarh, about the beginning of April. The articles sold there are practically the same as those sold at Jaul Jibi and Bageswar.

There is an extensive cart traffic between Baijnath, Almora, Ranikhet, and Kathgodam, which has a considerable trade and is a distributing centre for the products of the plains and of imported goods.

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The G I P. line from Jhansi and the E I. R. branch line serve the district well

BARABANKI DISTRICT.

The BARABANKI district is situated in the Fyzabad division. It occupies an area of 1,760 sq miles and is inhabited by a Hindustani-speaking population numbering 1,063,779. The district contains many shallow lakes and wheels but the climate is healthy and the average rainfall is about 40".

The products of the district are rice, wheat, gram which are largely grown. Pulses, kodan, millets, barley, peas, masur, maize and poppy are also cultivated

The industries are cotton and rug weaving at NAWABGANJ. Local cotton prints are famous. There are iron and sugar mills at BAHRAMGHAT where furniture and cooking utensils are made. Wooden sandals of various qualities are made here.

The district exports grain, raw sugar, hides and cloth. The main imports are piecegoods and yarn, metals, hardware and sugar by rail. Timber passes through BAHRAMGHAT

The important commercial centre of the district is NAWABGANJ. The district is well served by a loopline of the E I. R. and the B & N W. R. which pass through it

BAREILLY DISTRICT.

The BAREILLY district in the Rohilkand division has an area of over 1,164 sq. miles, at an elevation of 470 feet, and a population of 1,072,379 who speak Hindustani. The climate is unhealthy in the north of the district. Average rainfall is 44".

The agricultural products available in the local market are chiefly wheat and rice. Other cultivated crops are gram, bajra, maize, sugar-cane, poppy, oil seeds, cotton and sunn hemp.

The main industry of the district is the refining of sugar by indigenous methods. Refined sugar is generally exported to the Indian States like Jampur, Jodhpur and Udaipur which still give preference to Indian sugar over foreign sugar on religious grounds. Among the other industries are the manufacture of garah or khaddar, furniture, durries, pileless carpet, etc. Garah is not manufactured in the town, but is brought from a neighbouring village called FATEHGANJ.

Furniture worth lakhs of rupees is supplied to the whole of the province as well as to the Punjab. The chief woods employed in furniture are shisham, tun and and koran, the last being most used in building materials. Bareilly-made durries are sent even to such durri manufacturing towns as Agra, Cawnpore and Ambala. They are cheap and durable. There is also a match factory at Bareilly.

IZATNAGAR.—A workshop of the Railway department of the R & K. Rly works here. The main items of export consist of gram, pulse, sugar, hides, hemp and oilseeds. The imports are generally salt, piecegoods, metals, stone and lime

FATEHGANJ.—A market is held on every Thursday and weavers from all the neighbouring villages flock to the spot to dispose of garah or khaddar which is exported to Ambala, Ludhiana, Hoshiarpur and even to Amritsar. The cloth is cheap and durable

BAREILLY city (population 144,031) is the administrative headquarters of the district and an important railway junction on the E. I. R. main line. It is a thriving city and is noted for its furniture which is made both of bamboo and ordinary timbers from the forests of Kumaun and Pilibhit. Katha and catechu is manufactured here.

The imports consist of oil, oil seeds, sugar, kerosene oil, spices, leather articles, durries, metal articles and cloth. Leather articles

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Baisakh sudi Naumi, Param Hans (Baidah), January, Pous Badī Teej 4 days, Jaglmath (Basthanwan), Bhadon Sudi Teej, Karikot, Kuār sudi Astmi, Bāba Param Hans (Sarabhiya), Aghan Sudi Panchmi, 2 days Mahadeo Bhairon Nath, Chait Ram Naumi, Sagar, Aghan sudi Purnamashi, Mahdeo Jaglmath (Ramnagar Sen), Chait Ramnaumi, 2 days, Purnamashi Katik (Hawalia), Katik Purnamashi, 4 days

BALLIA DISTRICT.

The BALLIA district is in the Benares division. It has an area of 1,232 sq miles and a population of 913,090. Hindi is the language of the district. The average rainfall is about 42".

Ballia the headquarter station is famous for its DADRI fair which is held annually on the full moon day in Kartik.

The chief crops on the alluvial plain consist of kodan, rice, barley, peas, gram, maize, arhar and wheat. Sugarcane is a valuable crop besides poppy.

Sugar is refined by the indigenous process and coarse cotton cloth is woven. Palanquins are made here. The chief article of trade of the district is sugar.

The main exports are ghee, oil seeds, small gram, wheat, salt-petre and sodium of carbonate which are generally sent to Bengal and Bihar. The imports are rice, spices, piecegoods, salt and metals.

Boat traffic over the Gogra and the Sarayu is still prevalent. BALLIA (population 18,143) is a Station of the B & N W Rly.

Fairs:—Shankerpur, paragna Ballia, Ram Naumi, Chait Sudi Naumi, Iron, brass and earthenwares, Ballia, Bijyadasmi, Kunwar Sudi, it is not a market fair, Ballia, Dadri, Kartik Sudi Purnawasi. Cows, buffaloes, bullocks and horses, iron, brass and earthenwares, clothes, blankets, steel and wooden boxes, carpets, stationery and miscellaneous articles. Deokali, Sheoratri, Phalgun, Iron, brass and earthenwares. An agricultural exhibition is also held.

The annual cattle fair is held during cold weather, where many cattle are offered for sale.

BANDA DISTRICT.

The BANDA district lies in the Jhansi division covering an area over 2,800 sq miles. It is inhabited by a population of 625,771 who speak Urdu and a Hindustani dialect. The average rainfall is about 40". Agricultural prosperity often fluctuates from season to season. The soil is rich, black soil being very fertile, and khar being stiffer than the former. A very fine breed of cattle known as Kenwariya is found here.

Chief crops are jowar, wheat, pulses, rice and sesamum. Barley, bajra, cotton are also cultivated.

The industries consist of coarse cotton cloth weaving, cotton prints, cooking vessels and rough carpets.

The main exports are gram, wheat, millet in favourable years, besides cotton. The imports are rice, sugar, salt, tobacco, metals, etc. Trade is mainly rail-borne.

The important centres of trade are BANDA, KARUR and RAJAPUR.

BANDA town (population 22,415) is the headquarters of both the tahsil and the district of the same name and stands on the Mankpur Banda Section of the G I P Rly. It is a municipality and contains many temples and mosques.

KARWI, a tahsil and a Railway Station on the G I P line, lies on the bank of the river Poinsani. Miscellaneous trades and professions are pursued here.

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Urdu and Hindi are the languages of the district. The average annual rainfall is about 40". The soil characteristic is clay in the centre and rice cultivation is most important here.

BENARES TAHSIL.—There are very few manufactures outside the city of Benares. Weaving of coarse cotton cloth is the most important industry in the district. Wooden lacquered toys are made. Oilseeds are the most important article of export as there remains scarcely any surplus of crops in the district proper. The imports into the Tahsil are salt, piecegoods and metal. Stone and fuel are generally carried down from Mirzapore by the river. There is a network of roads besides a good railway communication in the Tahsil.

BENARES (population 702,325) is one of the biggest towns of India. It is situated on the bank of the Ganges and is connected by a railway with the E. I' Rly. and the B & N W Rly. It is the place of pilgrimage to the Hindus of the whole of India and people assemble here for worshipping God Biswanath and Goddess Annapurna throughout the year. The pilgrim traffic is enormous. It is also an important commercial centre in the United Provinces. Many articles of trade are imported to and exported from this place. The place is noted for brass work, silk cloth and jewellery. It is the seat of the famous Hindu University.

The important articles of trade are gram, wheat, castor seed, linseed, mustard seed, oil cake, sugar, arhar, ghee, besides mung, potato, vegetables and mawal fruits, opium, blankets, blanket-sheets, many sorts of silk cloth, chaddars and curios, utensils, beads of rudrakha, toys of wood, earthen and brassware, surti, zarda, tobacco, snuff, satka, gaigara, country made attar and essential oils, marble utensils, varieties of marble and ivory articles and fancy goods, lac bangles, images of gods and goddesses, jewellery carved out of stones; nayaana sila is largely available here. There are several oil-mills of which the castor-oil mill manufactures good cakes, and business in these cakes is brisk at the beginning of the season.

The vegetables and fishes are very cheap. The vegetables include potatoes, cauliflower, lemon, guava (of big size), orange, pear, apple, grapes, pomegranate, mangoes, lichees, etc.

SARNATH.—A place about five miles from Benares on the B N. W Rly. is an important place of worship of the Buddhists and pilgrims from India and foreign countries visit this place annually.

CHANDAULI TAHSIL occupies an area of 510 sq miles and is inhabited by a population of 3,14,053. There are very few manufactures worth the name. Kolhus (sugar-cane pressing machines) are manufactured at Alunagar. Weaving of coarse cotton cloth is also carried on here and these, but barely sufficient even for local consumption. Rice is the only important article of export, as there remains scarcely any surplus of other crops. The imports are salt, piecegoods and metal. Stone is generally carried down from Mirzapur by the river. The communications are not quite good. About 1/4th of the Tahsil remains without any metalled road. **MUGHALSARAI** (population 7,558) is the only biggest habitation in this Tahsil. It has got a notified area committee. It is a very big railway station. The important article of trade are rice, gram, wheat, and linseed. Mangoes and lemons are important fruits locally produced. Vegetables are comparatively dear.

Important cattle fairs are Paura, Pargana Barhwal, Basaikh Sudi Teins, Sarai Jagdish, Pargana Maghwar, Chait, Sudi Naum. A cattle fair is held at Rohaman Farao near Balapur R. S., during Aghanbadi for 15 days.

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including boots and shoes are generally imported from Agra and Cawnpore, though slippers are imported from Calcutta. Agra durries are imported on account of their high finish for local consumption. Bed durries of inferior quality are imported from Ludhiana. They are liked on account of their cheapness. Foreign piece-goods are imported from Delhi, Cawnpore and Farrukhabad markets. Swadeshi piece-goods are generally imported direct from the mills of Bombay, Nagpur and Beawar. The rail borne arrivals into Bareilly consist of coal, kerosene, petrol, rice, wheat, grains and pulses, gunny bags, salt, sugar, tea, wood and timber and the despatches consist of gunny bags, kerosene, sugar, wood and timber, etc.

CHETTURBHUCKGANJ—Here are flour mills, rice and oil mills. A big factory is situated at a distance of three miles from Bareilly for the purpose of manufacturing bobbins and extracting turpentine. One important industry, having possibilities of development is that of calico-printing.

AONLA, is one of the most leading business towns in the district with a considerable traffic especially in grain. It is connected with Budaun by a metalled road.

There are no good roads in the district, but several railway lines pass through it. The E I R main line between Moghul Sarai and Saharanpur passes through the route of the district and a branch from Bareilly city runs through Aonla to Aligarh. The Rohilkhand and Kumaon Railway passes through the north and is the only route to the hill station of Naini Tal; and a metre gauge line passes through Bareilly district in the south-west and through Budaun and Sonna in the Etah district.

BASTI DISTRICT.

The BASTI district lies in the Gorakhpur division. Its area is 2,752 sq miles and population is 2,078,024. Language spoken in Hindi of the Bhojpuri dialect. The average rainfall is about 48". The soil of the district is suitable for the cultivation of all sorts of crops.

Chief crops are rice, pulses, wheat and barley, about 1½ million acres being under these crops. Gram, sugarcane and maize are also grown and fairly big scale.

Wheat and poppy are best grown in the lighter loams of the Rapti and the Gogra Doab grows rice, barley, kodan, peas, masur, gram and arhar. The district is exceptionally poor in industrial pursuits, sugar refining on a small scale being the only industry.

Agricultural implements, coarse cotton cloth, utensils, etc., for local use are also made here. Chintz is made on a small scale at BAHADURPUR and NAGAR.

The trade of the district is mainly in agricultural produce. The main exports from the district are rice, sugar, opium, saltpetre, oilseeds and hides. The imports are cloth, metals, salt, cotton and tobacco. The through trade with Nepal is also of importance. Iron, drugs, spices, ghee, fibres and rice come from Nepal and raw sugar, salt, hardware, tobacco, coconuts, cotton yarn and cloth are sent to Nepal. USKA and MEHGDAL are the chief marts in the north and carry on trade with Nepal, and the commerce of the south is partly over the Gogra and also by railway to a large extent. The trade connections are generally with Cawnpore and Calcutta.

BASTI has a small trade. It is the headquarters of the district and lies on the B & B N W. Rly on the Gorakhpur-Fyzabad Road.

BENARES DISTRICT.

A district in the division of the same name, BENARES occupies an area of 1,008 sq miles and is inhabited by a population of 1,016,378.

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BUDAUN DISTRICT.

The district of BUDAUN is situated in the Rohilkhand division and occupies an area of 2,010 square miles. It is inhabited by a population of 1,010,180 who speak Urdu and Hindi. It is 809 miles from Calcutta. The average rainfall is about 36".

The chief crops are wheat and jowar, barley, bajra, maize, gram and rice are also grown. Sugarcane and poppy are the profitable crops.

Sugar refinery is the chief industry, cotton weaving, carpentry, brasswork are also done. BILSI was once a famous mart. The exports are grain and sugar and the imports are cloth, salt and metals.

BUDAUN (population 45,455) —Budaun town is a municipality and a very important business centre. Situated on the railway line it has some advantages over other neighbouring towns. Papier mache pen-boxes made here have some name in the market.

UJHANI is an important grain and cotton market exporting tobacco, pulses, barley, cotton and cotton seed, linseed, castor seed, and rape seed. It is 35 miles off from Bareilly Junction.

SAHASWAN (population 17,644) is a trade centre in the district. The branch of the East Indian Railway from Bareilly and Aligarh runs through the north of the district and a meter-gauge line connects it with Bareilly. Roads in the district have improved greatly.

BULANDSHAHR DISTRICT.

The BULANDSHAHR is situated in the Meerut division and has an area of 1,914 square miles and a population of 1,136,885. Hindustani is the language spoken. Its distance from Calcutta is 873 miles. The annual average rainfall is about 26" but 40" is not uncommon.

The chief food crops grown are wheat, gram, maize, barley, jowar and bajra.

Cotton and sugarcane are profitable crops in the district. There are several factories where crude saltpetre is produced. There are several cotton ginning and pressing factories. Calico printing of JAHANGIRABAD, mushn of SHIKANDRABAD, pottery of KHURJA, the rugs of JEWAR and wood carving of BULANDSHAHR and SHIKARPUR are important industries of the district. Cotton cloth is woven and glass of a coarser variety is also produced.

Grain and cotton are the main exports and about 4,000 tons or more of cotton are sent away. The imports are metals, piecegoods and salt.

SIKANDRABAD TAHSIL. —(Population 2,47,885) —The chief food crops grown are wheat, gram, maize, barley, jawar and bajra. The profitable crops in this tehsil are cotton, sugarcane and wheat. There is one cotton ginning factory at SIKANDRABAD and one iron factory at DANKAUR Railway Station, where sugar cane crushers, sugar centrifugal machine and grinding mills etc. are manufactured. SIKANDRABAD proper is famous for mushn and turbans and no other important industry is carried out in this tehsil and also there are possibilities of the same for the present. The Julahas of the town and of rural tracts, however do paltry business of weaving garha, daruti, duni, dhotar and dutai for they are hardly sufficient for the local needs. Desi shoe making business is also carried out but this business too is not on sound scale.

Grain, cotton and gur are the main exports, about 1,34,000 mds of gur, 92000 mds grain and 24700 mds cotton were exported from this tehsil during the year under report.

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BIJNOR DISTRICT.

The **BIJNOR** district is in the Rohilkhand division and occupies an area of 1,867 sq miles. Its population is 835,469 who generally speak Hindustani. It is 893 miles from Calcutta. The annual average rainfall is about 45".

The principal crops grown in the district are rice, wheat, barley, bajra, grain, sugarcane, cotton and oil seeds.

Raw and refined sugar making is the chief industry and these are exported, coarse cotton cloth and finer varieties are woven. Carved ebony, and ropes are made at **NAGINA** and iron work at **DEHAMPUR**. There are a number of glass factories at **NAGINA**. Manufacture of pocket-knives, papier mache and Brahmanical threads are other industries of the district.

Chief exports are sugar and forest produce, rape and papier mache. Gram and grains, salt, piecegoods and metals are imported. The trade is rail-borne.

BIJNOR TOWN (population 23,520) is situated on a undulating ground not far off the Ganges. The trade consists chiefly of sugar and pocket knives and Brahmanical threads (which enjoy local reputation).

NAJIBABAD (population 28,473) —Brassware, coarse cotton cloth, blankets, Indian shoes, and smoking hookahs constitute the chief industries of the town. It exports bamboo, sugarcane, sugar shira, potatoes, gur and some hill produce. The imports consist chiefly of wheat, wax, honey, resin, grain and piecegoods.

KIRATPUR is a centre of trade with large dealings in sui, shira, rose, gulkund, iron lock and padlocks.

NAGINA (population 25,427) —The local industry consists of bone comb and pen-stands, wooden and ebony walking sticks, cash boxes, glass bottles, cotton cloth, upholstery, ebony sugar dani, dressing tables and shoe making. During the month of Bhadan Ram Navami fair is held at Bedar Bakhatpur, Pargana Nagina 4 miles from Bundki Station (E I Ry) in which mules are sold.

DHAMPUR —It maintains an important trade in gur, shakar, sugar and mung.

BALWALI —is an important town in Bijnor tahsil. Glass manufacture is conducted here.

BIJNOR. —There has been established one Sugar Mills in Bijnor which exports sugar and molasses to other districts, i.e. (Seth Shiva Prasad Banarsi Das Sugar Mill, Bijnor) which exports sugar and molasses to other districts.

In **CHANDPUR** town rough cloth Khadar is prepared by hand loom by Julahas and exported to Delhi. Raw sugar is also prepared and is exported to other districts.

List of Fairs: **HALDWAR** —A fair called Doj is held in September at which above ten thousand men gather. Cattle are also sold at this fair. Wooden work is also carried on in this town. Fancy articles of wood such as toys, inkstand and many other articles are prepared here.

In **DARANAGAR** village situated in the banks of the Ganges Kartaki Ganges fair is held annually in November with a good gathering. In the month of August a fair called "Chhari" is held where a large number of people, mostly chamars above five thousand gather every year.

In **MANDAWAR** town a fair is held in November at Rooh and Bala wali on the bank of river Ganges. A kind of mat is woven in village Mohammadpur Deomal which is a village industry.

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District Exhibition fair is held every year in Buladshahr in February. Shopkeepers with various kinds of goods come from as far as the Punjab. On the 5th. or 6th day of the Exhibition, it is perhaps witnessed by about ten thousand people.

Weekly or semi-weekly small fairs called the "Penth" are held in about 15 villages and small towns. Marketing of cattle and every day necessities of the people is the most of the business carried on.

CAWNPORE DISTRICT.

The CAWNPORE district stretches across an area of 23,70 sq. miles and is inhabited by a population of 1,212,253 who speak Urdu and Hindi. The annual average rainfall is about 34".

CAWNPORE (population 243,757).—Cawnpore is the Sadar Station and headquarters of the district and is the third largest city in the United Provinces. It is a junction between E. I. R. B. B. & C. I. B. & N. W. and G. I. P. Railways. It is a big Civil and Military Station. Distance from Calcutta is 684 miles.

The trade of the whole of the district largely centres in Cawnpore city, which has become the great collecting and distributing centre for the north of India. Cloth comes from the Doab and Bundelkhand intended for Oudh, and elsewhere, cotton from Calcutta and Oudh; wheat and other grains from Calcutta; iron from Calcutta and Central India for Oudh and the Doab, salt from Calcutta and Rajputana for Oudh and Bundelkhand; sugar from Benares, Bihar and Oudh for Bundelkhand and the Punjab, and oilseeds and indigo seed from Calcutta and Bengal. Cawnpore has thus become the great centre of exchange for Northern India.

Cawnpore city is the most important manufacturing centre in U. P. Cotton pressing and ginning are important industries in Cawnpore. These are situated in the great cotton centre of COUPERGANJ. The other factories in Cawnpore include sugar mills, where rum is also manufactured, jute mills, flour mills, brush and tin box making works, iron foundries, tape weaving, cabinetware and chemical works. There are many cotton mills and oil mills, the products of which are distributed throughout the different parts of India. Tanning and manufacture of leather is an important industry here. Cawnpore is the centre of sugar trade of the interior. There are also many workshops. There is a Government Harness and Saddlery Factory and the Army Boot and Equipment Factory. Tent making is a very important industry in Cawnpore and is carried on by many manufactures as well as by the large concerns. Woollen fabrics of all description are produced in the woollen mills. The wool is obtained mainly from the Punjab and Tibet, while a certain amount is imported from Australia.

The agricultural products obtainable here include arhar, masuri, khesari, pulses. Blankets, hides and skins and leather goods (from the leather factories) are famous. Refined sugar, cotton seed, jowar, castor, ghee, oil, til, mung, kalai and oil-cakes are sufficiently available and are exported in large quantities. Oil is sent to Bengal and oil cakes go to the Punjab. Kalai and mung are of good quality. The pulses are split on a large scale and made into dals which are sent to Bengal. There are large factories which send their products to England. Bristles are also obtainable in large quantities and constitute a profitable business with little experience. The major portion of these bristles is sent to Europe but several factories produce brushes. Hides and skins are available in large quantities.

The rail-borne arrivals into Cawnpore include coal, cotton raw, cotton twist and yarn, piecegoods, wheat and wheat flour, hides and

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The following are the market places which are held weekly JUGANA, DADRI, JARCHA, GORUPUR, JHAJPUR, BILASPUR, DANKAUR, SIKANDRABAD, SURAJPUR and BIDPURA. In all these markets generally the articles of daily use i.e. grain, gur, vegetables, Bisatkhana articles, leather and desi shoes etc. are sold.

ANUPSHAHR is known for cotton, indigo, sugarcane and sugar, and the latter commodity is exported in considerable quantities to Cawnpore and Bulandshahr. It is a depot for the import of timber and bamboos down the Ganges.

DEBAI, 26 miles from Aligarh, is a market for cotton and wheat, and there are gunning and pressing factories in the town. Local trade is carried on with numerous small towns where markets are held once or twice a week. The trade is chiefly rail-borne. It is the largest centre of trade in bamboos and timber.

KHURJA (population 31,279).—The chief articles of trade are gram, wheat, linseed, mustard, kalai, masuri, ahar, castor seed, jania and ghee. Of these, mustard and ghee are of excellent quality and are in large demand in Calcutta and elsewhere. They are obtainable here in large quantities. Cumin seed and ajawan are also imported here by carts and sent away by rail. The articles are generally sent to Patna, Bhagalpur, and Monghyr. The locally made potteries are much appreciated and have lately found favour even in Canada. Khurja is a big centre for bamboos and timber.

JEWAR is famous for carpets and duries. Other important trade centres are BULANDSHAHR (population 24,989) and SIKANDRABAD (population 18,974).

The Grand Trunk Road from Calcutta to Delhi passes through the district which is served by a network of railway lines (E. I. Ry.).

List of Fairs

In ANUPSHAHR TAHSIL—Kartiki Ashran fair is held at ANUPSHAHR and RAJGHAT in the third week of November. It is a religious Hindu fair which is held on the Kartiki Purnamashi for the purpose of Ganges bathing with a gathering of about 80,000 and 20,000 persons respectively. A religious fair is held at KARANBAS called Dasheira Jath in June with a gathering of about 60,000 persons. In SIKANDRABAD TEHSIL—Sikandrabad, Holi, March, Ram Navmi, April, Barahi, April, Tijon, August, Raksha Bandhan, August, Baldeo Chat, August, Ram Lala, October, Barahi, October. In MOHANA—Budha Babu, February, May and September, In Gangol Baldeo Bhat, August, In Vair Badshahpur Budha Babu, February and May, In Kakori, Barahi, April and October. In Surpehra Budha Babu, February and May, In Bahrabas Budha Babu, February and May, In Dujana, Telhandi, March, In Kot Budha Babu, February and May, In Dankaur Janamastmi, September, Holi March, Raksha Bandhav, August, Mohanam, March, In Bilaspur—Budha Babu, February and May, In Jhappur, Budha Babu, May, In Kasua, Dasheira Jeth, June, In Ghat Aurangpur, Dasheira Jetha, June, and Kartik Ashnan November, In Surajpur, Barahi, April. In PARGANA KHURJA—Khurja, Ram Lala, Kunwar Badi Ikashi to Purn Mashi, and Sil Satain, Chit Badi Satain, Achhegakhurd, Budha Babu, Magh Bisakh, Kamalpur Haisar and Mirpur, Budha Babu, Sudi Dough. In P. FAHASUR, Ramila Kunwar Badi Ikashi to Purn Mashi, and Budha Babu, Magh Baisak, Sudi Dough. In P. JEWAR—Rampur, Kadki Ashnan, Katak Sudi Purn Mashi and Dasarea, Gacith Sudi Dashmi, Jahangirpur, Budha Babu, Dough Sudi, Baisakh and Magh Jewar Baldevchat, Bhadon Sudi Chhat, and Urs Shakar Bais on Shaharat, Rahupura, Dasara, Kunwar Sudi Dashmi.

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grains and pulses (89), rape and mustard (23), total oil seeds (07), condiments and pulses (19), sugarcane (31), cotton (19), other fibres (1.5), tobacco (58), fodder crops (27), fruits and vegetables (19).

Trees and groves are scarce, but reeds are found in plenty in the Terai and used for thatching and rope making. *Mun* grows abundantly in the Ganges Khadiars of Kasganj and Aliganj tahsils of the district.

The chief industries of the district are cotton-weaving, sugar refining, and preparation of saltpetre and sulphate of soda. There is a sugar factory named Neoh Sugar Factory, at Maupur Nagaria in tahsil Kasganj.

The chief exports which are considerable are wheat, cotton, barley, pulses, millet, sugar, saltpetre, etc. The main imports are piecegoods, metals, salt, which are carried by railway but a great deal of trade passes by road to the adjoining districts.

Traffic through canal with Aligarh, Mainpuri and Cawnpore is not uncommon. The chief trading centres are KASHGANJ (population 23,100) and JALLESWAR (population 11,138), SORON (population 12,200) in this district is noted as a place of pilgrimage.

ETAH town (population 11,473) is one of the most important trade centres in the United Provinces, and is reached via Aligarh, Kasganj, Shikohabad.

ALIGANJ is a big centre for collecting grains, seeds and cotton, which it sends to TEHANA-DARYAGANJ station on Cawnpore-Achnera Railway about 9 miles away. Transport is effected by carts.

ETAWAH DISTRICT.

The ETAWAH district extends over an area of 1,061 sq miles and is inhabited by a population of 746,005 who speak Hindi and Urdu.

The acreage under main crops in 1936-37—Rice 30,727 acres, wheat 63,361 acres, wheat and gram 49,146 acres, wheat and barley 8,926 acres, gram 46,679 acres, barley 5,761 acres, barley and gram 107,699 acres, jowar and guarashar 59,691 acres, bajra and bajra arhar 123,269 acres, maize 46,481 acres; oil seeds (including linseed), rape mustard, til, groundnuts and castor 34,519 acres, sugar-cane 13,263 acres, cotton and cotton-arhar 22,185 acres; fruits and vegetables, 9,732 acres.

Cotton cloth is woven in many of the villages, JASWANTNAGAR is famous for brass work. There are several cotton gins and presses and sandalwood factory too.

The chief exports are cotton, ghee, gram and oil-seeds. Ghee comes generally from the adjoining Gwalior State and is sent to Calcutta and Bombay. The imports are mainly piecegoods, metals, drugs, spices and oils (kerosene and others).

ETAWAH (population 46,948).—It is one of the big commercial centres in the U P. The articles of trade, consist of grains, wheat, linseed and mustard seed, kalai, ghee, oil cakes, masuri, arhar, castor seed, etc., are obtainable in large quantities. The seeds and grains of this place have little admixture and ghee of this place is very good. Goods are imported from the interior by carts and are sent away by rail.

JASWANTNAGAR.—The business of the place centres round linseed, mustard seed, poppy seed, kalai, ghee, wheat, grams, masuri, arhar, etc. These articles are largely obtainable in a pure state. Goods are brought from the interior by carts and sent away by rail.

AURAIYA.—This place is also well known for the soft ghee that is largely adulterated with mohua oil and is sold in sufficient quantities. The trade name is Uria ghee. This climate of the place is generally good.

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skins, jute, gunny bags, kerosene, salt, sugar, rape and mustard, cotton seed, linseed, castor, tea, tobacco and wood and timber. The despatches include gunny bags, piecegoods, oil seeds, sugar, grains and pulses, hides and skins, etc.

KOCII.—It is a centre of trade for soft ghee which can be had here in enormous quantities. Grains and seeds are also obtainable here but is not a lucrative business. The climate of the place is good.

DEHRA DUN DISTRICT.

The DEHRA DUN district occupies an area of 1,193 sq miles and contains a population of 230,347. Hindustani and Pahari are the languages spoken. It lies at an elevation of 2,369 feet and is at a distance of 113 miles north of Meerut, and 12 miles from Landour. The climate is generally cool owing to the proximity of the Himalayas. The average rainfall varies. Dehra Dun 90", Rampur 120", Mussoorie 95", Chakrata 86". Tillage is chiefly confined to the valleys or to terraces and is irrigated by dams or canals.

The district is covered with forest. The timber available are sal, haldu, amla, baheira, sain and jamun, bamboos are not rare, khair and shisham are seen. Sabal grass for paper making is also available in plenty.

Reserve forests cover an area of 120 sq miles. This is divided into two divisions, each under a conservator. Wild elephants, tigers, leopards, sloth bears and various kinds of deer, and monkeys are found in the forest. Lead and sulphur mines are found on the Tons river and in the limestone below Mussoorie.

There are several breweries in the district, glass blowing is also practised (at RAIPUR) and cotton-weaving is carried on for local consumption.

The chief exports are bamboos, timbers, lime, charcoal, rice and tea and imports are hardware, cotton cloth, blankets, salt, sugar, grain, tobacco and spices. These articles pass on to the hills and the hill products come back in turn. The hill products are rice, ginger, turmeric, red-pepper, honey, wax, lac, gum, resin and other minor forest products all of which are available sufficiently. Besides the articles already mentioned, DEHRA DUN exports large quantities of fruits.

DEHRA DUN (population 50,130) is the headquarters of the forest department of the Government of India. The Government Forest College is situated here.

MUSSOORIE (population 4,966), is an important hill station and sanatorium in Dehra Dun. It is 7,500 ft above sea level. Its only manufacture is beer, but it is an important educational centre for European and Anglo-Indian boys, containing some 15 schools for both boys and girls.

DEHRA, LANDOUR and MUSSOORIE are famous health resorts and are of growing importance to traders.

There are following metalled roads.—Dehra Dun to Saharanpur, Dehra Dun to Chakrata, Dehra Dun to Mussoorie, Dehra Dun to Haridwar, Haridwar to Rikhiyesh, Chakrata to Saharanpur, Kalsi to Harhartpur, etc.

Important cattle fairs are.—Bhaniwal, Kalapani, Kagal, Religious fair at Gang Bhawa.

ETAH DISTRICT.

The ETAH district occupies an area of 1,783 sq miles and its population is 860,478. Urdu and Hindi are the languages of the district. The average annual rainfall is about 30".

Area under crops in 1936-37 in 1,000 acres.—Rice (162), wheat (157), barley (56), jowar (17), bajra (55), maize (66), gram (46), other

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obscure the vision in many places. The crops grown are rice, wheat, barley, gram, pulses and sugar.

Cotton weaving is the chief industry. TANDA (population 21,177), AKBARPUR and JALALPUR are the noted places for muslins. Dyeing and printing are also carried on.

The chief exports are rice, sugar, grain, cloth, oilseeds, hides, tobacco and the imports are piecegoods, metal, salt and kerosene oil.

GOSAINGANJ and AKBARPUR are the important trade centres. FYZABAD town (population 59,992), the Sadar Station is an important centre for sugar refining and has a considerable trade in both agricultural products and imported goods.

AJODHYA (population 5,726) is a place of pilgrimage.

Traffic is carried both by rail and by boats along the Gogra. The district is served by the loop line of the E. I. Ry. (O. R. Ry. Section) which passes through the district.

GARHWAL DISTRICT.

The GARHWAL district occupies an area of 5,269 sq miles and contains a population of 533,885 who speak Garhwali. Average rainfall is about 50" but varies according to proximity to the Himalayas. The cultivated areas are of a scattered type and rich soils are met with in the river valleys.

The crops grown are maize, jhangora, wheat and barley, millets, sesamum, peas, pulses, pepper, ginger, turmeric and mustard.

Copper and iron ores are worked to a certain extent and other minerals like lead, arsenic, graphite, sulphur, etc., have been found. Hemp is woven into rope and cloth. Leather goods, mats, baskets, bowls of wood and glass bangles are also made here for local use. Copper utensils are made in SRINAGAR. Kukris and daggers are also made.

The trade with Tibet is important. Salt, wool, sheep and goats, ponies and borax are imported while grain and cloth are exported to Tibet. Shesham is found in KOTDWAR and silajit and musk are exported from JOSHIMATH.

The merchandise is carried on yaks. Some trade with Tehri State also exists. A large number of pilgrim traffic passes through this district. SRINAGAR and KOTDWAR are the chief trading centres but most of the trade is done in the villages.

GHAZIPUR DISTRICT.

The GHAZIPUR district has an area of 1,302 sq miles and a population of 824,971. Hindi and Urdu are spoken here. The district is well wooded. The climate is comparatively hot and damp and the average rainfall is about 62". The soil varies from light sandy loam to clay but in some places it is black.

The area of the crops grown in the Ghazipur district as they stood in 1344 F. are as under—Rice 148,655 acres; Barley 1,02,094 acres; jowar 1,026 acres; bajra 6,351 acres; pulses 1,05,996 acres; gram 50,820 acres; wheat 17,448 acres; sugar cane 39,194 acres; Opium 1,523 acres; fruits and vegetables 7,146 acres.

Sugar is refined and coarse cotton cloth is woven for local use. The main articles of export are sugar, oilseeds, hides, perfumes, opium and grain, the chief imports are piecegoods, yarn, cotton, salt, spices and metals. The traffic is mainly rail-borne and river traffic has decreased considerably. The trading centres are SAIDPUR, ZAMANIA and GHAZIPUR but the direction of trade is fast shifting its ground.

Different modes of remittances, transport of goods, etc. explained in TRADER'S MANUAL. Industry Book Dept., Calcutta. Price Re. 1.

Important fairs are Etawah, Nov. or Dec, industrial and cattle, Achalda, December and January, (Cattle) and April or May, Dobal, Dec (Cattle).

FARRUKHABAD DISTRICT.

The FARRUKHABAD district has an area of 1,719 sq miles and a population of 877,392 Hindi and Urdu are the languages The average rainfall amounts to about 34".

Principal crops are wheat, barley, jowar, bajra, maize, gram, pulses, cotton, tobacco, fruits and vegetables Potatoes are also grown

The district is celebrated for cloth printing which has an European demand. Gold lace, brass and copper vessels are also made here Tents are made at the central jail. There are several flour mills

The chief exports are tobacco, potato, fruit, bhanga, salt-petre, cotton prints, scent, brass and copper vessels, and the imports are grain, piecegoods, salt, timber and metals It has considerable trade with Central India and Rajputana It is fairly well supplied with roads and railways The Cawnpore Achnesia Rly. and E I Rly pass through the district

FARRUKHABAD (population 56,503) has a large trade in potato, tobacco and mango Three miles to the east of the town is a military Cantonment (population 3,851) on the left bank of the Ganges The town itself lies between 2 and 3 miles west of the right bank of the Ganges Domestic brass and copper utensils are made extensively.

KANAUJ (population 20,360) —The surrounding country is very fertile and produces all sorts of grains and seeds in enormous quantities which are exported. There are several flower gardens and the place is noted for its rose water, otto, rue, scented oils, pickles, chutneys and jellies The place is also noted for calico printed cloths with nice colours These things are exported to different parts of India. Health of the place is good

Fairs:—Thiwa, Kanauj Tahsil, Cattle fair, 3rd of Baisakh Sudr, Thiwa, Akhteej in Baisakh, ie 3rd of Baisakh Sudr

FATEHPUR DISTRICT.

The FATEHPUR district has an area of 1,585 sq miles and a population of 688,789 Urdu and Hindi are languages Average rainfall amounts to about 34".

The crops grown are rice, wheat, barley, jowar, gram, pulses An important religious fair takes place at SHIVARAJPUR on the Ganges

The district is celebrated for ornamental whips made at FATEHPUR (population 18,947) and for the artistic bed covers, curtains and awnings of JAFRAGANJ Playing cards are made at KHAJUHA Manufacture of tat paties is carried on in villages round BINDKI

BINDKI is the commercial centre of the district, the exports being grain, cotton, hides, and ghee and the imports consisting of piecegoods, metal, salt and oils Markets are held weekly in many villages including KISHANPUR (Bkdala) Trade is generally carried by rail but road traffic with the surrounding districts also exists.

An important fair —Sheorajpur, Khajua S D, Kartika Fair, November 7 to 13

FYZABAD DISTRICT.

The FYZABAD district occupies an area of 1,689 sq miles and contains a population of 1,204,189 who speak Hindi and Urdu The average rainfall is about 42". Being situated on the upland above the Gogra, it produces magnificent spring crops where alluvial soil prevails on the river beds There are no forests, but patches of dark jungles

Different modes of remittances, transport of goods, etc. explained in **TRADER'S MANUAL.** Industry Book Dept., Calcutta. Price Re. 1.

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Calcutta, Rajputana, Central India and Eastern Bengal. Roads are good and convenient, and the B & N W. Rly. passes through the district.

GORAKHPUR (population with cantonment 75,644) —Very little trade is done in the town whose inhabitants are chiefly agriculturists. It is the headquarters of the district and lies on the left bank of the river Rapti and at the junction of the roads to Ghazipur and Fyzabad.

Grains and seeds are imported here by rail from Chapra and the surrounding countries. The district also produces sugarcane in enormous quantities and there are a large number of sugar factories. Split pulses are made from arhar, masur, gram and khesari, and these are sent down to different parts of the country and largely to Calcutta. Timber is brought here from the Nepal border and there are several timber godowns. Local merchants deal in these articles. The chief industry is carpentry. There are several saw mills, cabinet making factories and also tanneries which send their products to Calcutta by rail. Other industries include cloths of mixed cotton and wool.

HAMIRPUR DISTRICT.

The HAMIRPUR district comprises an area of 2,439 sq miles and contains a population of 502,689. Bundelkhandi, a dialect of Hindi, is spoken. Average rainfall is about 36".

The crops grown are gram, jowar, wheat, sesame, arhar, kodan, bajra, and barley. A little sugarcane is also grown. The water supply of the district is defective though it is chiefly an agricultural district.

Coarse cloth is woven. Silverware is produced. The chief characteristic of the district however is that it has no central market.

The exports are wheat, jowar, bajra, gram, cotton, ghee and pan (to Calcutta), oilseeds and cloth. The imports are sugar, tobacco and spices, salt, rice, piecegoods and metals. Trade of the northern portion is mainly carried on by road with Cawnpore and that of the southern portion is chiefly by rail. RATH is the important centre of trade.

There is no cattle fair in the district. An agricultural show is organised at MAHOBA during Nov-Dec.

HARDOI DISTRICT.

The HARDOI district comprises an area of 2,317 sq miles and a population of 1,127,626. Hindi and Urdu are the languages spoken. Sadar Station is Hardoi. Bamboo, banyan and fig trees are common and numerous, and a considerable tract of land is occupied by jungle and uncultivated land. The average rainfall is about 32". The soil of the district is generally poor.

The chief crops are wheat, barley, rice, jowar, maize, bajra, gram, pulses, fruits and vegetables.

Cotton cloth is woven mainly for local use. Curtains and tablecloths of SANDILLA are noted, blankets, rope sacking, strings, etc., are made at MALLAUWAN. Carpentry thrives at SANDI, MALAVAN and BILGRAM.

The exports from the district consist of grain, raw sugar, tobacco, hides, cattle and saltpetre under favourable circumstances. The imports are salt, metals, piecegoods, cotton and refined sugar. Its trade is chiefly with Bombay and Calcutta and in sugar with Central India. There is a rose water factory at SAHJAHANPUR. HARDOI is the chief market; others being SANDILLA, MADHOGANJ and SANDI. Trade is both rail and road borne.

HARDOI town (population 17,069) is a centre of export trade in grain and is noted for woodwork. There are saltpetre factories here. SHAHABAD (population 21,101) is another trade mart.

METHODS OF IMPORTS AND EXPORTS ARE DISCUSSED IN FULL IN TRADER'S MANUAL. INDUSTRY BOOK DEPT. Price Re. 1.

GHAZIPUR (population 27,498) prepares opium for export and has a Government factory and depot. Gharipur is noted for its rose and rose water.

Important fairs and exhibitions held during the year 1937-38—

Chochakpui, Kaitik sudi 11 to 15; Ram Lila, Ghazipur, Kuar Sudi 4 to 10, Gharimian, 1st. Sunday of Jaith, Dhanushyag, Suhwal, Aghan Sudi 5. Tahsil Mohammadabad Ram Naumi (Kairmuddinpur) Chait Sudi 9, Tirmohani (Nagwa alias Hanuman Chankia), Bhadi Sudi 12, Cattle fair (unchani) in April for 15 days.

GONDA DISTRICT.

The GONDA district has an area of 2,875 sq miles and a population of 1,576,003 whose languages are Hindi and Urdu. The district is well wooded. The forests contain sal, asua, dhan, khair, mango, mohua, shishu, etc. The annual average rainfall is about 45".

Chief crops are Rice, wheat, barley, maize, gram, pulses including peas, masur and sugarcane.

Coarse cloth is woven for local use. Small ornamental pottery is made at UTRAULA. Cane and basket weaving is an important industry of the district. The exports consist of rice, peas, maize, timber and fuel. The imports consist of piecegoods, salt, metals and refined sugar.

NAWABGANJ and COLONELGANJ are the most important trade centres. UTRAULA and TULSIPUR are also big markets. The transport is mostly done by railways but small traffic is also carried over the Rapti and the Gogra. There is also a small trade with Nepal with grain in exchange for sugar and piecegoods.

GONDA (population 17,450).—Situated on the B & N. W. Ry. main line, it is 136 miles from Gorakhpur and 75 miles from Lucknow. A branch line from Gonda goes as far as the border of Nepal. There are several oil mills and a sugar making factory, the products of which are sent to different parts of the country and specially to Calcutta. The chief manufactures, besides oil and sugar, are cotton and woollen fabrics, gold embroidery. Brass and copper utensils, wooden toys and ivory bangles are also made here. The town has a considerable trade in agricultural products.

BALARAMPUR (population 19,311) is another trade centre in the district.

GORAKHPUR DISTRICT.

The GORAKHPUR district has an area of 4,528 sq miles and a population of 3,567,561 who speak Hindi and a Bhojpuri dialect. The average annual rainfall is about 45".

The soil of the district varies from sand and loam to clay, low-lying alluvium along river banks is not uncommon. Mango, mahua, fig, shisham, jack-fruit, black-berry and guava are the principal trees. Chief crops are—rice, wheat, barley, maize, gram, pulses, condiments and spices, sugarcane, fodder, tobacco, fruits and vegetables.

Poppy and indigo are also grown. Agricultural crops are the main items of export. These are rice, barley, wheat, and sugar. Timber and oilseeds are sent to Calcutta. The chief imports are salt, metal, kerosene oil, all from Calcutta. Traffic is carried mainly by rail.

Chief among the industries may be mentioned gun making. There are a large number of khandari factories.

The trade with Nepal consists of imports from that place of considerable quantities of rice, ghee and spices. The trade is carried on at the numerous small towns and markets, BAHRAJ being the most important of them. But most of its trade is carried on with Cawnpore.

METHODS OF IMPORTS AND EXPORTS ARE DISCUSSED IN FULL IN TRADER'S MANUAL. INDUSTRY BOOK DEPT. Price Rs. 1.

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The chief crops grown are jowar, kodan, small millets, gram, wheat, barley, rice and oilseeds mainly sesamum Coarse cotton cloth (known as KHERUA) is still woven here and ornamental works are done at ERACHI. Small woollen rugs and good quality silk cloth are woven at JHANSI.

JHANSI and MARUA are noted for brass work and Jhansi has a big railway workshop The chief articles of export are oilseeds, ghee and betel, all of which are sent in big quantities and are valuable. Gram, forest products and road metal are also exported The imports are sugar, kerosene oil, salt and grain. The chief centres are JHANSI, MAU-RAMPOR, LALITPUR and CHIRGAON. There is also a good local trade with the Indian States on the border.

JHANSI (population with cantonment 93,112) is an important railway centre on the G I P Rly. It is 799 miles by rail from Calcutta and 802 miles from Bombay. It is a town of historic interest It is a chief place of collection and distribution of agricultural products in the district All sorts of grains and seeds, cotton, ghee, blankets, rope, etc. are available here in plenty. Satranjes and GALICHAS of this place are famous These things are manufactured on a large scale in factories and are generally exported to different parts of U P, Bihar and Bengal by rail

Fairs are held at —Deviji, Dekoli; Deviji, Patha, Nag Panchami, Guruthakara, Vishwamitra, Godha, Kedarnath, Haibatpura, Anand or Sreenath, Marosi, Dura Devi, Irach; Miran Sha, Irach, Baidnath Mahadeo Jew, Bhumi, Ramhila, Irach, Deviji, Irach, Gosain, Sata

KHERI DISTRICT.

The KHERI district comprises an area of 2,976 sq miles and a population of 944,479 who speak Hindustani and Pahari The district is generally a level plain and exposes nothing but alluvium Kankar is also found Climate is generally healthy. Rain is generally high but variable

Wheat is the chief agricultural product Rice, sugarcane, maize, gram, pulses, barley, rape seed are also grown. Sabai grass used in paper making is available in abundance in South Kheri

Area under crops during 1936-37 —Wheat 1,82,688 acres, barley 47,387 acres, gram 1,35,146 acres, rape and mustard 20,693 acres, Tobacco 1,658 acres, oil seed 1,098 acres, pulses 66,999 acres, Rice 2,06,960 acres, maize 68,849 acres, sugarcane 1,14,801 acres, Cultivated area 59,219 acres

GOLA is a flourishing town situated in the R & K, Railway, where the Kudachan Sugar Mills Ltd, Gola, is in existence It is a big sugar factory and is responsible for an enormous increase in the cultivation of sugarcane

Manufactures consist of weaving and cotton printing Manufacture of domestic utensils is carried on at OEL and KATMHARA It is the most important centre of cattle breeding in U. P.

The principal exports are grains, sugar, turmeric, tobacco, hides, syrup, forest products, cattle and ghee The imports are piecegoods, metals and salt The principal trading centres are LAKHIMPUR, MUHANDI and GOLA Railways and good metalled roads connect it with important towns

The chief town, administrative headquarters and Sadar Station are at LAKHIMPUR (population 17,497) which is a railway station on the Rohilkhand and Kumaon Rly and lies 1 mile south of the river Ul

LUCKNOW DISTRICT.

The LUCKNOW district comprises an area of 967 sq. miles and a population of 787,472 speaking Hindi and Urdu. Annual Rainfall 86".

CLERK'S MANUAL—A COMPREHENSIVE MANUAL FOR THE GUIDANCE OF CLERKS. Industry Book Dept., Price Re. 1.

The district is well served by the main line of the E I Ry.

JALAUN DISTRICT.

The JALAUN district comprises an area of 1,549 sq miles with a population of 426,022 who speak Hindi and Urdu. The rainfall is about 32". Acacia and catechu are the most common timber in the district, which is but sparsely wooded.

Area under crops in 1936-37. Jowar (97,781 acres); wheat 283,876 acres), barley (3,966 acres), bajra (55,354 acres), gram (1,10,926 acres), linseed (50,600 acres), sesamum (6,668 acres), condiments and spices (5,937 acres), cotton, hemp and poppy (10,146 acres). But the cultivation is liable to great fluctuations. Cotton dyeing and printing is carried on.

There is cotton gin and press at AIT. The chief exports are gram, oilseeds, cotton, ghee and the bark of babul (for tanning material) which is available in large quantities. Imports consist chiefly of piecegoods, hardware, and metals. Its trade is mostly with the southern and the western parts of India.

The trade centres are KUNCH (population 15,150), KALRI, JALAUN, RAMPURA and MADHOGARHARA. The traffic is both rail and road borne.

JAUNPUR DISTRICT.

The JAUNPUR district has an area of 1,554 sq miles and a population of 1,236,071 who speak Hindustani and Hindi. The average rainfall is about 42" on the average.

The chief crops grown are barley, rice, peas, masur, maize (very famous), gram, wheat, arhar, millets, sugarcane, hemp, oilseeds. Local Kharboozas (melons) are as good as Lucknow ones.

Sugar making is the important industry of the district. Coarse cloth for local use is woven and scents are manufactured.

The chief articles of export are sugar, food grains, indigo, scents and oilseeds. The chief imports are salt, piecegoods, metals and spices.

The chief trade centres are JAUNPUR CITY, SHAHGANJ, MUJRA, BADSHAPUR and the district is well supplied with roads and railways.

JAUNPUR CITY (population 37,675). The city is noted for the manufacture of perfumes from rose, jasmine and screwpine and also from the root of khaskhas. There are several flower gardens and the place is famous for its floral oils. Otto, rose water and scented oils are exported from this place and are of good quality. Oil-gar cases are made here. It has some trade in grains and imported goods. The commercial articles, viz, tola mustard, poppy seed, ghee, kalai and potatoes are obtainable here in abundance and are largely exported by rail to Calcutta and other places in Bengal, Bihar and Orissa. The chief exports from this district go to Calcutta.

KRAKAT, a railway station on the B & N W Ry and 18 miles from Jaunpur, produces rice and sugar. MACHHLI SHAHR exports wheat, oilseeds, sugar and ghee and imports woollen cloth, cotton cloth and other merchandise, and SHAHGANJ, a junction station on the B and N W. and E I Ry's and 145 miles from Lucknow, is a trade centre for gur and cotton.

Lately a big sugar mill, Ratna Sugar Mills has been started at Shahganj.

JHANSI DISTRICT.

The JHANSI district occupies an area of about 3,600 sq miles and is inhabited by a population of 690,413 whose languages are Urdu and Hindi. The average annual rainfall is about 32".

CLERK'S MANUAL—A COMPREHENSIVE MANUAL FOR THE GUIDANCE OF CLERKS. Industry Book Dept., Price Re 1.

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MEERUT DISTRICT.

The MEERUT district comprises an area of 2,379 sq miles and a population of 1,601,918 speaking Hindustani. The Ganges and the Jumna wash the borders of the district. The climate is very healthy and the average rainfall is about 30".

The district produces rich crops of wheat, gram, maize, jowar, cotton and sugarcane.

The chief industries of the district are tanning, cloth weaving, blankets, cutlery, jewellery, cloth, glass bangles and furniture making. There are several cotton presses, soap factories, rice, indigo, flour and oil mills. Gur is made on a large scale. Sugar forms a large part of the industrial life of the district which claims 7 sugar mills. Heavy brass and copper vessels and hukkas of galvanized sheets are made at HAPUR. Hardware are also made at RAMRAULI, KISHANPUR, BAOLI and in BAGHPAT tahsil.

The chief exports are wheat, sugar, oilseeds, cotton, etc., and the important imports are metals, cotton cloth, building materials, timber and bamboo, ghee, drugs, and spices. MEERUT, HAPUR and GHAZIABAD are the trade centres.

HAPUR.—It is peopled by 25,116 men.

GHAZIABAD (population 18,831) a junction station for E. I. and N. W. Rlys, 13 miles from Delhi, is a big grain market.

MEERUT (population 136,709).—It is situated on a fertile tract and is reached from Ghaziabad on the E. I. Ry. It is the biggest commercial centre in the district. The local products are wheat, gram, linseed, mustard seed, castor seed, masuri, khesari and chaki gur, cotton, etc. All these are exported from this place by rail; of these wheat, chaki gur and cotton are exported in large quantities. Scissors, soap, and caps are manufactured. It is an important centre for khaddar and hosiery goods made from handspun yarn. Every year after one week of the Hindu festival Holi a fair called NAUGHANDI fair is held in Meerut whereto persons from far and near flock.

The district is traversed by the main line and several branch lines of the E. I. Ry. and N. W. Ry and has many good and metalled roads through which also a large amount of trade is carried on besides the railways which are the chief means of transporting goods and merchandise.

Fairs.—On the occasion of Kartic Purnima (full-moon day in the month of Kartic) a fair is held on the banks of the Ganges at GARMUKTESHWAR, a place at a distance of nearly 30 miles from Meerut. Another fair is held at NAUGHANDI by the end of March or beginning of April every year. It is one of the biggest fairs in Northern India and lasts for 7 to 10 days. Agricultural and industrial exhibitions and horse show are special features of the fair.

MIRZAPUR DISTRICT.

The MIRZAPUR district comprises an area of 5,213 sq miles and a population of 788,409. Hindi is the language spoken. The Ganges, the Son and the Karmanasa pass through the district. The average rainfall amounts to about 42". Chief crops are—Rice, barley, wheat, jowar, bajra, gram, pulses, linseed, sesamum. Cultivation is largely fluctuating and depends upon irrigation from tanks and wells. Other crops are maize, sugarcane, and poppy.

Deposits of coal are found while stone is quarried in the district. Building stone, iron ore, mica and iron pyrites are found here sparsely distributed.

The chief industries are sugar refining (both from cane and palm), iron vessels, wooden toys, indigo, tassar silk weaving, brass manufac

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The chief crops are rice, wheat, pulses, gram, cotton, barley, jowar, and bajra.

LUCKNOW (population 274,659):—The town is situated on the banks of the Gumbi and is the junction of several branches of the Oudh and Rohilkhand Railway. Lucknow is the largest city in the United Provinces and the fourth largest in British India.

Cotton fabrics of all grades are manufactured. The local muslins are known as *malma* and *addhi*. The place is also celebrated for embroidery with gold and silver thread. Cotton dyeing and printing is still a flourishing industry. The silver works enjoy good reputation while damaskening of silver on other metals has been revived. The brass and copper wares and domestic utensils of all kinds are produced. Ivory carving is carried on to some extent but wood carving is much more important. Fancy ivory brooches and powder boxes made at Lucknow have been appreciated in Europe and America. The local potters produce various kinds of artwares, some of which are distinctly good; while the clay modellers of Lucknow are pre-eminent in the whole of India. Among the minor products are tobacco, shoes and perfumes. Hosiery making is now carried on; some factories also make silk and mercerised knitted and woollen goods.

The city is the only important trade centre in the district. It enjoys unique advantages in regard to communication, whether by rail, road or river. A considerable portion of the great export trade in wheat and grains from the northern districts on its way to Cawnpore passes through Lucknow. Similarly the greater part of Cawnpore's export trade is transmitted through the city.

There are a number of factories and workshops, railways and iron foundries. The imports are grain, piecegoods, metals and hardware, sugar and salt. The chief exports are the goods of local industry, as cotton fabrics, gold lace, silver and gold works, ivory and wood carving, shikan, *bandani*, pottery, tobacco and perfumes.

Traffic is carried by railway (E. I. Ry.) which practically traverses the district which is also well supplied with metalled roads.

MAINPURI DISTRICT.

The MAINPURI district occupies an area of 1,697 sq. miles and is inhabited by a population of 749,533 speaking Hindi and Urdu. The district is washed by the Jumna. Bhur, fertile loam and sandy are the three characteristic soils that are found here. Kankar is abundant and the district contains extensive groves of mango and *shisham*.

Chief crops are:—Wheat, barley, jowar, bajra, maize, pulses, gram. Wood carving and making of glass bangles are the chief industries. Cotton ginning and spinning and indigo making are the chief factory industries.

The chief exports are wheat, oilseeds, hides and skins, and cotton. The important imports are salt, metals, piecegoods, sugar, tobacco and rice.

SHIKOHABAD:—It stands on the main line of the E. I. Ry. with a branch to the headquarters station of Mainpuri. The interior and the adjoining country is very fertile and all sorts of grains and seeds are produced. Potatoes, gur, ghee and cotton are available here in sufficient quantities and are exported by rail.

MAINPURI town (population 14,925) is a Municipality and contains a fort made partly of brick and partly of mud.

A branch line of the E. I. Ry. crosses the district and carries the major portion of the traffic.

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CHANDAUSI (population 26,768) —It is situated on the E I Rly. and is about 803 miles away from Howrah. The surrounding country is very fertile and produces rich crops of gram, wheat, linseed, mustard seed, chakri gur, masuri, arhar, ghee, cotton, castor seed, oil cakes, til, etc., which are purchased from the interior and are brought here by carts. The wheat of Chandausi is in active demand in Calcutta. Ghee, chakri gur, mau-mustard and wheat are obtainable here in large quantities. The oil content of the mustard seed of this place is about 15 seers to the maund. It is a chief centre of trade in this part and contains the Railway Training School. The climate of the place is generally good. Goods are exported from this place generally by rail to Calcutta and Delhi.

Other trade centres are **AMROHA** (population 44,948) and **SAMBHAL** (population 44,300). There is a railway training school at CHANDAUSI and the E I Rly. passes through the district which possesses a good many metalled roads.

Fairs are —Sambhal, Dasehia (Ramhila), Dhaja (3rd. day of Holi), Phehi (4th and 5th day of Dewali), Religious; Bahoi, Dasera, Religious, Sechavi, Dhaja (3rd day of Holi), Religious, Sadat Bari, Sambhal, Sheoratri, Rajpur, Sambhal, Sheo Ratri.

MUTTRA DISTRICT.

The MUTTRA district has an area of 1,453 sq miles and a population of 668,074. Hindustani and Braja Bhasa are the languages spoken. The Jumna passes through the northern boundary of the district. The climate of the district is very dry and hot and the rainfall averages 26".

Muttra district has jungles where acacia, neem and ber trees are fairly common, and in the hilly tracts near Bharatpur are found leopards, wolves, hyenas and nilgai, while antelope, wild hog and chinkara deer are plentiful in the ravines.

The chief crops are jowar, gram, wheat, bajra, cotton, sugarcane, tobacco and vegetables. Cultivation in the district is aided by irrigation from canals, wells and tanks. The chief industries are calico printing, stone carving, silver models of animals, etc. There are several cotton gins and presses and indigo factories.

The chief exports are grain, cotton, and the imports are salt, sugar, metals, oil seeds and piecegoods.

MUTTRA City (population 64,029) It is an ancient and important religious centre of the Hindus and is rich in archaeological remains and still contains some very fine Hindu temples. It is the Sadar station of the district.

BRINDABAN (population 17,148) —It is a place of the great pilgrimage. A large number of pilgrims assemble every year on the occasion of the Dolatra and Jhulan. E I Rly. passes through the district which is connected by road (metalled) with Delhi, Brindaban, Agra, etc. B. B. & C I Rly. and G I P. Rly. also pass through the district.

MUZAFFARNAGAR DISTRICT.

The district of MUZAFFARNAGAR comprises an area of 2,666 sq miles and a population of 894,662 speaking Urdu and Hindi. The climate is moderate and the average rainfall is about 34" a year.

Woollen goods, blankets, camel-wool blankets, pillow and coating cloth are made here.

Cotton weaving is the most popular industry of the district. Calico printing and ornamental curtains are also turned out. Indigo manufacture was another important industry, but is now dull.

Disinfectants and Antiseptics give full details of preparing all sorts of insecticides and medicated cottons. Industry Book Dept., Price Re. 1/8.

ture. Shellac, lac dye, etc., are made in large quantities. There are cotton presses. Fine woollen carpets are made, the district being famous for them. Cocoon rearing and tussar weaving are also practised. Cocoons are collected in the months of September and November. The November crop is superior as the cocoons are larger and contain more silk. 30 lakhs are brought for sale at AHRAURA.

The chief exports are stone, shellac, carpets, sugar, brass and iron utensils, grain, ghee, oil seeds, spices and raw silk. The imports are brass, iron, copper, salt, cotton piecegoods, etc.

MIRZAPUR (population 61,184) —It is situated on the main line of the E. I. Rly. on a fertile tract of land on the bank of the Ganges. It is one of the important towns of the United Provinces and is a great industrial centre. The chief industries of this place are the manufacture of good and valuable carpets, rugs and silk clothes. The carpets some of which are 46 feet wide are admired everywhere because of improved designs and colouring. The 'panpar' of Mirzapur is famous and has a great demand in Calcutta. Brass and bell-metal wares are also manufactured here and are briskly sold in the province and also outside it. Stone business of MIRZAPUR is also flourishing and "sil" and "bell-chakhtis" are extensively sold in Bengal and Bihar. There is a stone workshop here of Messrs. Burn & Co. Lac is largely imported here and made into shellac and sent down to Calcutta by rail. Lac bangles are also made here. The place is the centre of cotton trade. Goods are generally sent away by rail. The guavas of the surrounding country and the stone work and earthen shorais (potteries) of CHUNAR are also very important articles of trade.

AHRAURA —The chief industries of the place are sugar making and lacquered ware. Tassar and silk are also woven and the place has a good trade in these articles.

The district has a large trade in sugar and gur with the districts of C. P. Local trade is carried on by cart and pack bullocks. The E. I. Rly. passes through it and carries large amount of traffic.

MORADABAD DISTRICT.

The MORADABAD district stretches over an area of 2,293 sq. miles and is inhabited by a population of 1,284,108 souls who speak Urdu and Hindi. The average rainfall is about 40". The soil is fertile and is sandy in some places.

Cultivation however is sparse and this is accounted for by the sandy soil yielding an abundance of Kankar stone. Chief crops are Rice, wheat, barley, bajra, jowar, maize, gram, pulses, sugarcane, cotton.

Game birds are plentiful and monkey, badger, wolf, fox, porcupine, etc. are found throughout the district. Leopards are common in the north-eastern jungles where tigers are also occasionally seen.

The chief industries are sugar refining, cotton cloth weaving and woollen carpet making, brassware, silvered ware of various description (generally utensils) and pottery. There are cotton ginning and pressing factories at CHANDAUSI. Glass is manufactured at BAHJOI. The Bahjo Glass Factory has installed plant for the making of sheet glass.

The chief articles imported here are salt, tobacco, metals and piecegoods. The exports are generally sugar, wheat, rice, other grains and cotton.

MORADABAD (population 110,562) —It is the Sadar Station and headquarters of the district and stands on the Ramganga at an elevation of 670 feet. It is noted for its plain, enamelled and ornamental brasswares.

Disinfectants and Antiseptics give full details of preparing all sorts of insecticides and medicated cottons. Industry Book Dept., Price Re. 1/6.

PILIBHIT DISTRICT.

The PILIBHIT district comprises an area of 1,201 sq miles and a population of 448,838. It is 517 feet above sea-level and is situated 802 miles north-west from Calcutta. Languages spoken are Urdu and Hindi. Average rainfall amounts to about 50". The soil is clayey though other varieties are also met with. Area under crops in 1936-37.—Rice 1,34,000 acres, wheat 94,000 acres, barley 6,000 acres, jowar 1,000 acres, bajra 8,000 acres, gram 77,000 acres, pulses 28,000 acres, oilseeds 1,000 acres, sugarcane 68,000 acres, san (Hemp etc.) 8,000 acres, fodder crops 17,000 acres, fruits and vegetables 4,300 acres, total 4,85,000 acres. There are long stretches of grazing ground. Forests rich in sal trees cover a considerable area of the district in the north and the east.

Sugar refining is the important industry. Wood carving is also done besides cart making and boat building. Catechu is prepared in the north and cotton cloth is woven for local supply.

The exports are wheat, sugar and rice. Rice from Nepal passes through the district which has a big trade in hill products (borax, pepper and ginger). The trade centres are NEORIA, BISALPUR and PURANPUR.

PILIBHIT town (population 36,892). The trade is chiefly concerned with agricultural products. It is the Sadar Station. PILIBHIT town is a market place generally for agricultural products (such as 'gur' and 'rice'). It is famous for carved wood work also. In this tahsil agricultural and cattle markets twice during the week are held in villages Jahanabad, Amaria, Mundalia, Ghosu, Panta Kolan and Dang. Neoria is an important centre for rice market—a place lying on the way from Pilibhit to Nepal.

BISALPUR is an important market for gur and grains on the Rohilkhand and Kumaon line. Wheat, rice, sugar, sunn-hemp are the exports. Piecegoods, hardware and metals make up the imports. It is an important depot for the products of Nepal and the Himalayas. Carts and bedsteads are largely made and exported. It is the chief source of supply of sabai grass. Recently 'gur' making industry from "Molasses" and 'Galawat' has come into innovation into the Kohil on a sufficiently large scale. The rest of its features removing the same as before.

PURANPUR—This tahsil is the chief producing place for "Pine-apples" and famous for "Pomar" bullocks which are renowned for their strength and swiftness. This species of bullocks are found in villages Kali Nagar, Madho Tanda and Puranpur Khas and in the adjoining parts of these villages. They are much appreciated and demanded by the eastern districts and their trade is more profitable than of any other kind of bullocks.

The district is well served by roads and railways, Lucknow-Sitapur-Bareilly branch running through it and connecting it with the great mart of Tarapur at the foot of the Kumaon Hills.

RAE BAREILLI DISTRICT.

The RAE BAREILLI district comprises an area of 1,745 sq miles and a population of 914,127 who speak Urdu and Hindi. The district presents a beautifully wooded and gently undulating appearance and is very fertile and well cultivated. The climate is generally healthy and average rainfall amounts to about 40".

Chief crops are—Rice, wheat, barley, jowar, bajra, gram, pulses, arhar, kodan and millets besides poppy. Pasture land is scarce.

TO INCREASE YOUR CASH BUSINESS, READ THE RETAIL TRADE. INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA. Price Re. 1/-.

The chief crops are wheat, gram, pulses, maize, rice, barley, bajra, sugarcane, cotton and fodder crops. The wheat of Muzaffarnagar is highly prized in European markets and commands a fair price. Cultivation is helped by irrigation from canals and wells. The chief exports are wheat, raw sugar, rice and oilseeds.

MUZAFFARNAGAR (population 35,347). The prosperity of Muzaffarnagar is largely due to its export trade in wheat and sugar, and the manufacture of country blankets. An exhibition is annually held at Muzaffarnagar.

KAIRANA (population 19,589) is another trade mart.

The traffic is carried by E. I. and N. W. Rlys, which pass through it. Local trade is confined to weekly markets.

NAINITAL DISTRICT.

The **NAINITAL** district has an area of 2,677 sq miles and a population of 277,286 whose language is Hindi. The Hill Station of Nainital lies at an elevation of 6,400 ft. above sea level on the bank of a beautiful lake and is well-known sanatorium and favourite summer resort. Average annual rainfall varies according to the climate from 46" to 77".

In the valleys good crops of rice and wheat are obtained from plots of land. Rape and mustard, pulse, barley, marua, gram, potatoes, tea and spices are also grown. The potatoes of Nainital are in huge demand from all parts of the country. Oil seeds, sugar and cotton are produced to a very small extent. The forest products are sal, shisham, haldu, khali, chir, oak, etc. Building stone, iron, copper, gold, gypsum, sulphur and alum are the minerals obtainable in very small quantities.

The headquarter of the district is **NAINITAL** which is the summer residence of the Governor of the province. Good quality cotton cloth is woven at **JASHPUR**. There is a brewery at **NAINITAL**.

The imports to the district are piecegoods, salt, corrugated iron sheets and metals, the chief exports are potatoes, chillies, ginger, forest products, rapeseed, etc. Considerable traffic passes through this district between the plains and the interior of the Himalayas, which makes it all the more important. The chief marts besides **NAINITAL** are **HALDWANI**, **RAMNAGAR**, **CHORAGALLIA**, **KALADHUNGI**, **JASHPUR**, **KASHIPUR**, etc.

Rohilkhand and **Kumaon Rlys** run from Bareilly to Kathgodam. There is a good system of metalled roads.

Fairs are—**Tarai** and **Bhabar Govt Estate Exhibition**, **Haldwani**, **Cattle**, **Poultry**, **Agricultural and Handicraft Exhibits**, **Ranibagh**, **Near Kathgodam**, **Makai Sankranti**, (January), **Bathing Fair**.

PARTABGARH DISTRICT.

The district of **PARTABGARH** comprises an area of 1,458 sq miles and a population of 906,233. Languages spoken are Urdu and Hindi.

The district is a richly wooded fertile plain and the average annual rainfall is about 38".

Excepting a small portion near the Ganges, the district is fertile, the chief crops being rice, barley, gram, pulses, wheat, jowar, bajra, arhar, peas, masur, poppy, sunn hemp and sugarcane.

Coarse cotton cloth and woollen blankets are woven and mulberries are reared at some places.

The exports are grains, oil seeds, opium, sunn-hemp, hides, etc. and imports are piecegoods; metals, hardware, sugar, etc. **BELA** the **Sadar Station**, is the chief mart. There are however small markets along the railway. **BELA** is a junction on the **E I Rly** and the district is well provided with railways and roads.

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MARKET PLACES OF THE UNITED PROVINCES. 437

N W. Rly. traverses it with the Hardwar and Dehra Dun Railway branches and there is a light railway from Shahdara to Sahasranpur. Metalled roads are sufficient.

SHAHJAHANPUR DISTRICT.

The SHAHJAHANPUR district comprises an area of 1,744 sq miles and a Urdu speaking population of 905,131. Mango, bamboo, babul, sal, shisham and tun are common. The average annual rainfall is 37".

The character of the soil is varied, the condition of agriculture is therefore complex. The chief crops grown are wheat, rice, gram, bajra, poppy and sugarcane.

The chief manufacturing industries of the district are sugar and rum which are made at ROSA. Mattings of bab grass are exported, coarse cotton cloth is woven for local use. There are sugar factories in the district.

The exports are gram, sugar (famous), oil seeds (from TILHAR), bab grass, matings, chintz, coarse cotton and brass vessels. The chief imports are foreign goods, metals and salt. Forest products are floated down the river from Pilibhit.

The chief trade centres are TILHAR (population 18,372) and SHAHJAHANPUR, but markets are held in many places in the district.

SHAHJAHANPUR Town has a population of 79,316 with cantonment. Sugar is the chief article of trade and commerce. Hosiery factories are doing well.

E I Rly. traverses the district and carries almost all its traffic, there is also a tramway.

SITAPUR DISTRICT.

The SITAPUR district has an area of 2,253 sq miles and a population of 1,167,139 who speak Hindi and Urdu. Average rainfall is about 39". The district is very fertile but backward. Central portion of the district contains a good loam. Mangoes, jack-fruit, shisham and tun, besides local fruit trees, are fairly abundant.

The sandy soil produces bajra and barley, maize, sugarcane and wheat are grown in richer soil.

The exports are gram, gram, oilseeds and raw sugar. The imports are piecegoods, yarn, metals and salt. Opening of railways has given a great impetus to trade.

SITAPUR (population with cantonment 27,320), is the chief trading centre. Besides, there are several good bazars along the Railway (Lucknow-Bareilly Metre-gauge Rly). A branch of the B & N W Rly. now runs from Burhwal to Sitapur town. Biswan is a Railway Station on the B & N. W. Rly. and its paper industry and tobacco have a reputation in the market. SIDHAULI, on the Metre-gauge line from Bareilly-Lucknow Section, is an important grain market in the district.

Important fairs are held at NIMKHAR and KHAIRABAD.

SULTANPUR DISTRICT.

The SULTANPUR district extends over an area of 1,707 sq miles and is inhabited by a Urdu speaking population of 1,051,284. It has several hills besides some small ravines. The average rainfall is about 44". The Goomti bank is not very fertile but the inland country is fertile. Usar lands are also common in the south.

The crops grown are rice, wheat, jowar, gram, cereals and pulses, barley, peas, masur, jowar, which are largely grown, besides sugarcane, fodder and fruits and vegetables.

Coarse cotton cloth is woven. Metal vessels of BANDHA are famous.

THE RETAIL TRADE—an exposition of Methods that build up Retail Trade. Industry Book Dept., Shambazar, Calcutta. Price Re. 1/-.

Coarse cotton cloth is woven at JAIS and RAE BARELLI (finer varieties) SALON manufactures coarse cloth which is locally consumed

The chief exports are grains, rice, poppy seed, hides, bones, gram, millet, oilseeds, tobacco and raw sugar and imports are piecegoods, metals, salt, sugar, and spices

RAE BARELLI town (population 18,180) —It is the chief commercial centre of the district. There are two markets called CAPPORGANJ and BARELLIGANJ, in which the entire trade is concentrated. It produces coarse and fine cloths and sends away finer cloths which have a good name.

Other trade centres are LALGONJ, BAINTI and MAHARAJGANJ. Trade is generally with Kalakaukar in Partabgarh. B I Rly traverses the district and road communication is fairly good.

An agricultural and industrial fair is held at Dalwar, during Kartik Fair.

SAHARANPUR DISTRICT.

The SAHARANPUR district occupies an area of 2,133 sq miles and is inhabited by a Hindustani speaking population of 1,043,920. The average rainfall is about 37".

Acreage under chief crops in 1936-37.—Wheat 318,000; rice 131,000, bayra 51,000, maize 69,000, pulses 35,000, gram 147,000, sugarcane 110,000, cotton 35,000, fodder crops 161,000, fruits and vegetables 6,600 acres; total 1,055,600. Sabai grass for paper making is available here in plenty.

The district is also rich in animal life. Karai and cobra, leopards and tigers, wild hogs and wolves, hyena and sloth bear are fairly abundant. While various sorts of deer, the goral and wild elephants are common in the Siwalik Hills.

Saharanpur is famous for its luxuriant tropical forest trees and plants of the Siwalik slopes, besides the usual products of the plains which the district shares in common with other places in the Provinces. The district is also famous for the excellent fruits of European varieties that are its special production.

Cotton weaving, wood carving, dyeing and printing of cloth, glass blowing, cotton ginning and pressing are the industries.

Trade has been greatly developed by railways. The exports are wheat and oil seeds in large quantities and the imports are salt, metals, piecegoods, etc.

ROORKI (population 13,944) is noted for its Engineering College. Sappers and miners shop and the College press at ROORKI are the industrial concerns.

HARDWAR (population 33,287) —It is a favourite resort of Hindu pilgrims and has a very healthy and temperate climate.

SAHARANPUR TOWN has a population of 78,655. Wood carving is the important industry. There is a cigarette and tobacco factory of the Tobacco Manufacturers (India) Ltd. There is also a straw-board factory and a paper factory is in the course of construction. The city has a big stud-farm where imported horses are trained and acclimatized. The Botanical Gardens here are an important centre for the distribution of plants and are also the headquarters of the Botanical Survey of Northern India. An exhibition is annually held towards the end of February or in the beginning of March.

DEOBAND (population 22,126) is an important trade mart and is well known for the Arabic school which attracts scholars of other countries as well in India. There is also a sugar factory close to the railway station.

THE RETAIL TRADE—an exposition of Methods that build up Retail Trade. Industry Book Dept., Shambazar, Calcutta. Price Rs. 1/-

MARKET PLACES OF THE PUNJAB.

THE Punjab is literally a 'land of five rivers.' It is encircled and watered by the Jhelum, the Chenab, the Ravi, the Beas and the Sutlej. The area of the Province is 100,000 square miles and according to 1931 Census its population is 23,580,851, excluding the Indian States. Of the population about 90 % are rural and only 10 % urban, while 55 % are Moslems, 32 % Hindus and 11 % Sikhs; the rest consist of Christians, Parsees, Buddhists, and Jains. The principal languages are Hindi, Gurmukhi, Pahari, etc.

Climate:—The climate of the Province is extreme, very chilly and cold during winter and very hot during the summer months when as a rule the nights are pleasant. But, on the whole, it is healthy and invigorating. In the summer, the temperature rises to 115°F or even 121°F and in the winter snowfalls are often recorded in some parts. Rainfall averages about 15" to 20".

Soil—The soil is sandy loam but is aided by a network of irrigation canals for raising wheat and cotton. Manuring is practised near villages, and sugarcane, maize, wheat, tobacco and vegetables are as a rule always manured. Millet and gram are neglected. Dung of animals forms the chief manure, the animals being often folded together for the sake of their manures.

Crops:—The Punjab is essentially an agricultural province and wheat is its most important crop. 9,300,000 acres which is about one-third of its total cultivated area was under this crop in 1935-36. In fact, the Punjab is the greatest wheat bearing tract in India. Tobacco, melons, sugarcane, etc., are largely grown. Cotton of improved types are also cultivated on a very large scale (3,692,000 acres). Among other principal crops grown in the Punjab mention may be made of gram and barley, which are grown for sale. Millets of different varieties are also cultivated. Rice is grown in the Kangra Valley. Oilseeds occupy a large acreage of the land. The chief crops during 1936-37 were wheat (9.5 million acres), bajra (3,043,000 acres), jowar (843,000 acres), maize (1,136,000 acres), gram (3,521,000 acres), rape and mustard (700,000 acres), sesamum (98,000 acres), barley (612,000 acres), linseed (28,000 acres), cotton (3.7 million acres), sugarcane (551,000 acres), condiments (60,000 acres), fruits and vegetables (261,000 acres), sann (42,000 acres), poppy and tobacco (78,000 acres), are raised and tea is grown in the Kangra Valley. Area under indigo is small, potatoes, mangoes, fruits and other vegetables and drugs are grown on the hill slopes and valleys for purposes of sale and export.

Total area under crops in the Punjab is about 30 million acres. The districts where the crops are raised on a big scale are—

Rice—Gujranwala, Sheikhupura, Kangra. **Wheat**—Ferozepur, Multan, Lyallpur, Shahpur, Attock, Gujrat, Montgomery, Sialkot, Barley—Gurgaon, Hissar, Jowar—Rohtak, Dera Ghazi Khan, Hissar, Bajra—Hissar, Rohtak, Gurgaon, Maize—Kangra, Hoshiarpur. **Gram**—Hissar, Ferozepur, Rohtak, Multan, Karnal; **Linseed**—Kangra, **Sesamum**—Gurdaspur, Kangra, Multan; **Rape and Mustard**—Montgomery, Multan, Lahore, Sheikhupura; **Condiments and Spices**—Karnal, Sugarcane—

GUIDE TO DYEING & CLEANING A HAND BOOK FOR AMATEURS & PROFESSIONALS. INDUSTRY BOOK DEPT., Calcutta. Price As. 4.

The chief item of export is grain. The imports are salt, cotton, piecegoods and metals. Trade is carried mainly by rails. RAIPUR, GAURIGANJ, SULTANPUR and BAZAR SUKUL are the important trade centres. In SULTANPUR tehsil coarse cotton cloth (khaddar) is woven. Metal vessels of BANDHNA are famous.

SULTANPUR is situated on the right bank of the Gomti and the chief market days are Tuesday and Saturday in every week. Grain is the chief commodity. A separate bazar for cattle is held on both the above mentioned days. Sultanpur is also connected by railway lines running from Fyzabad to Allahabad, Lucknow to Jaunpur, branches of E I Ry.

ALIGANJ lies about 2 miles south of the Manujan Ry. Station of E I R running from Lucknow to Jaunpur. The market is held once a week, Thursday. This bazar is specially famous for cattle.

DHAMMOUR lies 10 miles south of Sultanpur on the pucca road running from Sultanpur to Rae Barrelli. The bazar is held twice a week i.e. on Tuesday and Saturday. It is famous for food grains.

GUPTAGANJ BAZAR—A large number of cattle is sold on hat days. MOSAFIRKHANA Tahsil—The chief items of import are rice, sugar, salt, wheat, cotton and metals. The chief items of export are rice, wheat, gram, mustard, goats and sheep, betel leaves, eggs and skin. SAHEBGANJ, RANIGANJ and SHUKUL BAZAR are chief centres of trade. Due to the new L S Z Ry. NIHALGARH is also becoming a trade centre. Two big fairs are held in this tahsil one of Datarimshah at Isauli and the other of Nandimahr at Nindiyawan, but they are real industrial and cattle fairs. Cattle are sold in the markets of Raniganj and Shukul Bazar. This year indigo plantation has been done to some extent and indigo is being prepared as an experiment.

BISHESWARGANJ.—It is an active trade centre in the Amethi Tahsil and is a growing business place. It exports mainly flax carpets (pattis) demand for which is daily increasing.

The main line of the E I Ry, O R Ry. section and a branch from Fyzabad to Allahabad, besides a loop line from Benares, serve well its purposes of transport and communication.

UNAO DISTRICT.

The district of UNAO comprises an area of 1,736 sq miles and a population of 885,700 souls whose languages are Urdu and Hindi. The average annual rainfall is about 35". It is a district of average fertility. The chief crops grown are—Rice, barley, wheat, jowar, bajra, maize, gram, pulses, arhar, poppy, sugarcane and cotton are also grown.

Manufactures of the district are insignificant. Indigo, salt, salt-petre were formerly made but have since declined. Chief manufacture is making of brass and copper utensils at BHAWANTNAGAR, NAWALGANJ, MURADABAD. Cotton cloth is made for local use and calico printing is also practised.

The exports are grain, sugar, ghee, metals, brass and copper utensils, but the trade is not considerable. Imports consist chiefly of piecegoods, salt, metals and spices. Both rail and road traffic exist here.

UNAO (population 16,282), is the most important town in the district. It is a municipality and stands on the E I Ry. broad and narrow-gauge lines on the road from Cawnpore to Lucknow.

The district is well served by railways—a branch of the E I Ry, B & N W Ry and the narrow-gauge line of the Rajputana-Malwa running across the district.

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ad in the Punjab its cultivation is increasing. Iron smelting is carried on in Kangra on a small scale and the cutlery of Bhera and Upranwala is famous. Glazed pottery is made at Multan, and glass angles, etc., are manufactured at Kurnool, Kangra, Hoshiarpur and Lahore. Wood carving is done at Lahore. Ivory carving is done at Amritsar, Patiala, and other places. There are several breweries. A certain amount of crude borax enters the Punjab from Lodakh and is refined at Lahore and Sultanpur.

Major Industries.—Chief among the major industries may be mentioned textile industry, hosiery knitting, woollen goods manufacture, match making, sporting goods manufacture, etc. Glass, chemicals, soaps, resins, cement, etc. are developing rapidly. There are 7 cotton mills equipped with 94,000 spindles and 1,377 looms, 3 woollen mills, chemical factories, 5 oil mills, 15 flour mills, 26 ice mills, 17 hosiery mills, etc. During 1935-36 6.7 million lbs of yarns were spun and 88 million yds of goods were woven.

The textile industry continued to be the most important in the province, and two valuable additions were made to it by the opening of the Punjab Textile Mills, Montgomery, and the Lyallpur Cotton Mills. The Mela Ram Cotton Mills, Lahore, worked to capacity while the Narain Swadeshi Ribbon and Trimming Mills, Amritsar, increased their plant. The Amritsar carpet industry has luckily been provided the much needed fillip by the preference allowed to Indian carpets in the United Kingdom.

The most notable advance of recent years is that the hosiery industry at Ludhiana has been able to double its output to Rs 40,000. This is due to the tariff duty on imported hosiery goods. Ludhiana has become a great hosiery centre and is able to offer employment to about 1,000 workers. It has augmented its stock of machinery by about a lakh of rupees worth. The hosiery factories at Lahore and Amritsar also do quite well.

The sugar industry in the province continued generally to be in a depressed state and worked at a loss. Similarly the two match factories in the province closed down on the imposition of Excise duty, but resumed work from the 15th of September 1934.

The manufacture of cutlery and surgical instruments, in view of the developments that are taking place at Sialkot, Wazirabad and Nizamabad, affords signs of fair promise. The sports goods industry, which is mainly centred at Sialkot, had a good year as a result both of increase in the local demand and preferential tariff enjoyed by it in Empire countries. The tanning industry did not show much progress during the year due to the keen competition of Agra and Cawnpore. The hides and skins were exported for being tanned.

Factories.—The number of factories registered under the Indian Factories Act increased from 712 in 1933 to 720 in 1934. Of these only 593 actually worked.

Hydro-electric Power.—The Uhl River Hydro-Electric Project was opened by His Excellency the Viceroy on the 10th March 1933. Factory owners are becoming increasingly conscious of the advantages of electric power.

Budget for 1937-38.—Receipts Rs 10,90,39,000; Expenditure Rs 10,85,67,000, Surplus Rs 1,72,000.

Trade.—Export of wheat is the main source of wealth of the Province. Other principal exports are: Indian piecegoods, cotton twist and yarn, drugs, turmeric and other dyes and tans, oil cake, oilseeds, mineral and vegetable oils, fresh fruit and vegetables, bran and crushed fodder, gram, pulse, wheat, flour, hides and skins and leather, saltpetre,

Complete information on manufacturing all sorts of milk products are contained in Milk & Milk Products. Industry Book Dept., price Re. 1/3.

Lyallpur, Gurdaspur; Cotton—Lyallpur, Montgomery, Multan, Tea—Kangra, Tobacco—Jullunder, Jhang, Fodder crops—Ferozepur, Montgomery, Hissar, Fruits and Vegetables—Hoshiarpur, Amritsar, Lahore

Cattle:—Montgomery, Harina, Malwa are the breeds of cattle and Hissar, Delhi, Rohtak, Gurgaon are the centres of cattle breeding. Buffaloes are valuable assets in the Province. Sheep are abundant, camels are found. The principal cattle fairs are those of Amritsar, Jahazagarh, (Rohtak), Kulu, Shah, (Shalkot) and Hissar. Large profits are made from dairy trade.

Timber:—Sal timber is found in Ambala and Sirmoor State. The forests are all conserved.

Minerals:—The Punjab possesses extensive mineral resources, but sufficient enterprise is rather wanting in this direction. Coal is now worked in the district of Jhelum, Mianwali and Shahpur. The output of coal during 1934 in the three areas were 54,909 tons, 64,986 tons and 5,371 tons, respectively. Petroleum is raised in Attock, Khaur and Rawalpindi. The annual production is about 6 million gallons. Salt mixed with gypsum, is obtained from the Northern Salt Range in large quantities and worked at Khewia and Nurpur. It is a Government monopoly and the annual output averages about 450,000 tons. Rock salt also occurs in the Salt Range. Small quantities of iron are found in Kangra, copper is met with in Kulu, and slate is found in the Mandi State. Saltpetre, carbonate of soda, salt ammoniac are found plentifully in Shahdara, Mianwali, and other places. About thirty-five per cent of the saltpetre from British India was produced in the Punjab. Gold and other precious stones are available in small quantities.

Cottage Industries:—Cotton spinning and weaving is the domestic industry. More than three lakhs of weavers are engaged in this profession. The important weaving centres are Delhi, Ludhiana, Peshawar, Multan, etc. Rugs and carpets of cotton are made at Lahore, Ambala, Multan and Amritsar, cotton printing by wooden blocks is done at Kot Kamala, Sultanpur and Lahore. The handloom weaving industry is by far the most important cottage industry in the province and shows definite signs of recovery. It is a hopeful sign that the Ludhiana weavers of silk and artificial silk have adapted themselves to the market conditions by undertaking the production of woollen goods from August to October and are thus able to keep themselves busy throughout the year. The cheap mosquito net, which is very widely recommended by the Rural Reconstruction Department, has furnished an undoubted incentive to handloom weavers of the province. Ginning of cotton is done on an organised scale all over the cotton producing areas. Blankets, felts, and rugs from sheep's wool are made at Dera Ghazi Khan, Bhera and Hissar. Hissar district is, by the way, one of the largest markets in India of the trade in raw wool. And one of the largest markets in India for indigenous wool is at Fazilka in the Punjab, the other being Beawar in Rajputana. A very considerable quantity of good quality wool is imported into the Punjab via Afghanistan, the chief collecting centres being Shikarpur, Amritsar, and Multan. Wool from Tibet and Kashmir, and pashmina which comes through Kashmir, are worked and embroidered at Amritsar. Sericulture is another cottage industry of some importance in the sub-montane district of the Punjab bordering on Jammu and Kashmir. But the amount of raw silk produced is only a fraction of the total output of British India. Silk comes mainly from China and is woven at Amritsar, Lahore, Patiala, Batala, Montgomery and Bahawalpur. The trade in lac is practically a monopoly of India.

Complete information on manufacturing all sorts of milk products are contained in Milk & Milk Products. Industry Book Dept., price Re. 1/8.

ed working It is the Sadar Station. It is a junction in the North Western Rly. Distance is 989 miles from Calcutta, 988 miles from Bombay, 123 miles from Delhi, 187 miles from Lahore, and 846 miles from Karachi

RUPER is another mart for commerce with considerable trade in grain, sugar and indigo. Salt and iron are exchanged as well as ginger, turmeric, potatoes and country-made cloth

JAGADHRI (population 13,268) has a good trade in minerals and metals and is also a centre of borax trade Copper and iron are imported. A big paper mill has lately been started here It is capable of producing paper to the value of 50 lakhs of rupees It is 31 miles from Ambala Cantonment. A small railway runs between the stations on the main line of N. W. Rly. and the town.

KASALI —It is a sanatorium and a hill station 8 miles from Dharampur Rly. Station on the Kalka-Simla Railway frequented both by Europeans and Indians. It contains the Pasteur Institute for the treatment of rabies.

SOHANA.—Cooking utensils and glass bangles are made here

AMRITSAR DISTRICT.

The AMRITSAR district has an area of 1,574 sq. miles and a population of 1,117,120. Languages spoken are Gurmukhi, Punjabi and Urdu. The average rainfall is about 20".

Chief crops are wheat, rice, bajra, maize, gram, rape and mustard, sugarcane, cotton, fodder crops, and fruits and vegetables.

Raw wool of fine quality is available here in large quantities for internal trade and export.

AMRITSAR (population 264,840) —It is the most flourishing city in the Punjab and is famous for its carpets and shawls of pasham (fine wool of Tibetan goat) which have a ready sale all over the world, cotton spinning and ginning workshops are the other industries The articles of import are grains, pulses, sugar, oil, salt, tobacco, raw cotton, piecegoods, threads, shawls, wool, wood, silk, coarse cloth, blankets, metals, hardware, glass and dye stuffs, many of these imports however are re-exported. The exports are wheat, shawls, carpets, cotton goods, brass vessels, jewellery, etc Dry salted goat skins technically known as Amritsars are exported from this place

Among the new industries of the town may be mentioned the manufacture of textiles, acids and chemicals, aluminium wares, soap, hosiery, oil, leather, glass, iron foundries, etc.

It stands on the main line of the N. W. Rly. and is 33 miles from Lahore, 400 miles from Agra and 1,143 miles from Calcutta Besides Dharamsalas, there are decent hotels in the town and in the civil lines Conveyances are available in the town which is electrified

Two large fairs are held at AMRITSAR—one, the Baisakhi, during April, and the other, the Diwali, during November There is also a large trade in those fairs mentioned above with merchants of distant lands like Bokhara, Kabul and Kashmir, mainly centering round the carpet industry An important cattle fair is held along with an annual horse fair.

ATTOCK DISTRICT.

The ATTOCK district (area 4,178 sq. miles; population 582,960) has an average rainfall of about 17" The chief produce of the district are —Wheat, bajra, gram, other grains and pulses, fodder crops, cotton and sugarcane are also grown The district is noted for horse breeding.

Countrymade cloth, iron vessels, locks, stirrups, saddles, shoes and soap are manufactured in the villages. The only substantial industry

Prepare ghee, butter, casein, condensed milk, etc. at ho
Products explains the way. Industry Book Dept.,

k & c

timber, wool (raw and manufactured), unrefined sugar, tobacco, salt, etc. The imports are cotton piecegoods, twist, yarn, dyes, tans, gunny bags, cloth, liquors and even wheat and grains in times of scarcity, besides chemicals, drugs, medicines, hemp and other fibres, metals and machinery, rice, coconut oil, coal and coke, copra, mineral oils, paper, pasteboard, ghee, dried fruits and nuts, spices, tea, manufactured tobacco, provisions, refined sugar, etc. Export trade is mainly with Karachi in wheat, raw cotton, oilseed, hides and raw wool. The imports through Karachi are piecegoods (both woollen and cotton), sugar, metals, railway plants, silk, tea, tobacco, etc. Trade with Kashmir is chiefly in rice, grain, ghee, timber, oil seeds, wool, silk, hides and skins and fruits from Kashmir. The exports to that place are piecegoods, wheat, tea, metals, sugar, salt, tobacco, charas, borax and ponies. The exports to Kabul through the Passes are cotton, metals, leather, piecegoods and sugar, the imports from Kabul are fruits, ghee, raw wool, etc., etc.

The principal commercial centres in the Province are Lahore, Jullunder, Ludhiana, Multan, Sialkot and Amritsar. Commercial activity in the Punjab appears to have noticeably developed within recent years. The Punjab has considerable trans-frontier trade. It does a good trade with Northern and Eastern Afghanistan and Kashmir and through them with Central Asia and Turkistan.

Transport and Communication:—Almost all the towns are now connected with the interior by a system of motor buses, which generally carry passengers, but motor lorries are also used now-a-days for carrying goods in some cities and stations on the railway line.

The Punjab, which is strictly speaking, an entirely inland country having its five rivers practically unnavigable during the greater part of the year, has got to have all its trade movements by railway and road. And it is well provided with railways and roads. Karachi in Sind, the natural harbour of the Punjab, is directly connected with the Province by the N W Rly. The Southern Punjab Railway and other branches of the N W Rly traverse the Province and link almost all the important towns for easy means of communication and transport. The B B & C. I Rly. crosses the south-east border of the Province. There are about 7,000 miles of railways open in the Province, besides about 4,000 miles of metalled roads including the Grand Trunk Road leading to Calcutta. There are about 25,000 miles of unmetalled road and about 200 miles of navigable canals.

AMBALA DISTRICT.

The AMBALA district comprises an area of 2,627 sq miles and a population of 742,902 whose languages are Hindustani and Punjabi. Rainfall averages about 28". The autumn harvest is more important than the spring one. The chief important crops are wheat and gram, other crops are barley, maize, rice, pulses, millet, cotton, poppy, etc.

Chief crops are rice, wheat, jowar, maize, gram, other grains and pulses, linseed, sesamum, rape and mustard, other oil seeds, sugarcane, cotton, fodder crops, and fruits and vegetables.

The district produces excellent cotton carpets. There are spinning and pressing factories besides big flour mills and a factory of scientific apparatuses.

AMBALA CITY (population 86,592) is a big grain and castor market and imports gram and cotton from Phulkian States and Ludhiana. It imports cotton cloth and iron from the south and also woollen, silk and wooden goods. The chief exports are carpets, ginger, turmeric, potatoes, opium and charas. There is a big glass factory here which is doing well. The aluminium factory however has lately stopp-

Prepare ghee, butter, casein, condensed milk, etc. at home. Milk & Milk Products explains the way. Industry Book Dept., Calcutta. Re. 1/2.

acres; rape and mustard 60,289 acres, total oil seeds 74,441 acres, Condiments and spices 1,304 acres, sugar-cane 15,812 acres, Cotton 184,989 acres, fruits and vegetables 14,156 acres, other fibres 3,398 acres, Tobacco 2,589 acres, fodder crops 312,787 acres, total 2,246,308 acres.

The industries are purely local, coarse cloth and blankets are woven, carts of Ferozepore are famous, mats and lacquered-ware are also made.

The chief export of the district are wheat, pulses, maize, barley, wood, tobacco, cotton and other agricultural crops which are carried by the producers direct to Ludhiana, Amritsar, Bahawalpore, Lahore, Jullundur and Hoshiarpore. The main imports are sugar, cotton, sesamum, metals, piece goods, indigo, tobacco, salt, rice, pulses etc. Grain markets are quite abundant in the district.

FEROZEPOR (population 64,634), the Sadar station is a seat of thriving commerce. It is a large and prosperous grain market. Its Arsenal employs a number of people.

MOGA (population 17,581) a Station on the Ludhiana Ferozepore line on the North Western Railway and 34 miles from Ferozepore, is one of the leading markets for grain in the district. It is equipped with a Serai near the Railway Station and a Hospital in the Bazar. It exports principally wheat, gram, barley, ghee and malze, while its main items of import are sugar, piece goods, cotton seed and arms and ammunition.

ABOHAR (Population 14,035) only 45 miles from Bhatinda on the Bhatinda Samasatta line (North Western Railway) is a big market for wool, gram, tobacco, Sajji, oil seeds and vegetables.

FAZILKA (population 18,463) a junction on Ferozepore Macleod Gunj line on North Western Railway and Bhatinda Fazilka line of the B B & C I Railway is the leading wool market in India, exporting a very large quantity of Bikaner wool to Liverpool via Karachi. Besides wool, wheat, ghee, grain, tobacco, chulies and hemp are also exported from here. Sugar, piece goods and iron are its chief imports.

MUKTSAR (population 14,839) is a sacred place of Sikhs where at the annual fair on Makar Sankranti Day about 50,000 people congregate from all parts of the Punjab. It is one of the important markets for grain specially wheat and gram. It exports a large quantity of ghee, vegetable oil and Gur.

GIDDERBAHA (population 3626) only about 15 miles from Bhatinda on the Bhatinda Sammasatta line, North Western Railway. An important market for wool, gram, tobacco, Sajji and oil seeds.

Other centres of trade are Bira, Nathana.

List of Cattle Fairs—**ABOHAR**, Abohar Municipal and Cattle Fair, Feb 7, days, **ZIRA**, Zira Municipal & Cattle Fair, Oct, 8 days; **MUKTSAR**, Horse & Cattle Fair, Jany, 8 days, District Board Cattle Fairs—**MAKHU**, May 6 days, Dharamkot, May 8 days, **AJITWAL**, June—July; **BADINI**, Aug 7 days, **ABOHAR**, Aug. 7 days; **MOGA**, August 7 days, **TALWANDI BHAI**, Sept 8 days, **MUKTSAR** Sept 10 days, **GIDDERBAHA**, Sept, 8 days, **TALWANDI BHAI**, Oct, 6 days, **DHARAMKOT**, Nov 7 days, **ABOHAR**, Dec, 7 days, **MALOUT**, Jan, 7 days, **MOGA**, Feb 7 days; **GIDDERBAHA**, Feb 7 days, **BAGHA Purana**, March, 7 days, **ZIRA**, March, 7 days.

GUJRANWALA DISTRICT.

The **GUJRANWALA** district (area 2,907, population 736,138, languages, Hindustani and Punjabi) is dry and very healthy, the average annual rainfall varies from 23" to 27". Fertility of soil and rainfall decrease as we go farther from the hills. The chief crops are wheat, gram, barley, cotton, millet, rice, maize and pulses.

Full particulars about making and recharging batteries are available in *Manufacture of Batteries*. Industry Book Dept., Calcutta. Price Re. 1/8.

is the manufacture of snuff which is carried at HAZRO. This apart, the district has very little trade

CAMPBELLPUR, Sadar Station, is a small cantonment and municipality 528 miles from Delhi.

WAH —It is a growing centre of trade with a big cement works where cement, cement tiles and allied products are made

KHAUR.—Mineral oil (petroleum) is extracted at this place by the Attock Oil Company and finds wide market in the Punjab and elsewhere. It is not situated on Railway. It is however connected by a metalled road with Rawalpindi

HAZRO —An important town in the district. Much tobacco is grown in the neighbourhood and this is converted into snuff in Hazro. The industry is a flourishing one

There is only one important fair in the district. This is the Tollagang cattle fair held in March each year. Tallagang is a small town in the centre of the tract in which the locally celebrated Dhani cattle are bred. It is not very accessible and is best reached from Rawalpindi via Chakwal

DERA GHAZI-KHAN DISTRICT.

The DERA GHAZI KHAN district (area 5,428 sq miles, population 491,044, languages, Multani or Jatki and Baluchi) on the Indus is exceedingly dry but is not unhealthy except in the water-logged portion. The annual rainfall averages 22".

The soil consists of rich loam which has to depend on irrigation due to scanty rainfall

Area under crops in 1936-37 —Rice 64,621 acres, wheat 196,069 acres, barley 7,459 acres, bajra 69,111 acres; gram 53,279 acres, other grains and pulses 53,352 acres, sesamum 3,470 acres, rape and mustard 61,557 acres, total oil seeds 66,000 acres, cotton 24,677 acres, indigo 603 acres, tobacco 918 acres, fodder crops 25,326 acres, fruits and vegetables 1,634 acres, total 754,661 acres

The industries of the district consist of weaving of woollen fabrics, blankets, carpets and saddle bags, silk is woven at DERA GHAZI KHAN and ivory bangles are made. There is also a cotton ginning and spinning mill in the district. Blankets, felt, rugs from sheep's wool are made at Dera Ghazi Khan, which is the Sadar Station of the district

The exports to Karachi down the Indus are wheat, millet, indigo, cotton, hides and mustard seed. Wheat and millet are imported from higher up the Indus. Other imports are salt, pulses, sugar, leather, iron and piecegoods from Multan

The chief trade centres are DERA GHAZI KHAN (population 23,468) and MITHARKOT.

The India-Khorasan trade is carried on mainly through Dera Ghazi Khan. The district has no railways

FEROZEPUR DISTRICT.

The Ferozepore District (area 4,064 square miles, population 1,156,732, languages Punjabi and Hindustani), is dry and healthy. The average rain fall is about 15 inches. The condition of cultivation varies according to the distance from the hills. Raw wool of the district is considered good

The main crops grown are wheat and gram, barley, millets, rice, maize and Moth are also cultivated

Area under crops in 1936-37 —Rice 23,941 acres, wheat 589,653 acres, barley 78,166 acres, Bajra 108,025 acres, maize 41,060 acres, gram 669,969 acres; other grain and pulses 65,119 acres, sesamum 605

Full particulars about making and recharging batteries are available in Manufacture of Batteries. Industry Book Dept., Calcutta. Price Re. 1/6.

PATHANKOTE tahsil is abundantly wooded and contains many mango groves and bamboos. The woollen mill at DHARIWAL produces woollen goods; hand weaving of wool is also practised. Wool used generally comes from Tibet. Coarse blankets and soap are made at BATALA. Harness and leather goods are made at DINANAGAR. Iron, sugar and ivory bangles are also made in the district. Sugar refining is widely practised. There is distillery at SUJANPUR and there is also a brewery at DALHOUSE.

The chief exports are grains, sugar, oil seeds, cotton and woollen stuff. The main imports are rum (from Sujanpur), beer (from Dalhousie), gram from Ludhiana and Ferozepur, ghee (from Kashmir), cotton (from Ruper), iron and piecegoods (from Delhi and Amritsar).

GURDASPUR (population 12,094) is an important market for gram, wheat, gur, sugarcane, raw sugar, vegetables, potatoes, oil, rice and pulses. Lungus, susi, belts, and silk cloth are made here. It is the chief trade centre in the district.

DALHOUSE, a hill station and a sanatorium in Pathankote, is the summer head-quarters of the Commissioner of Lahore Division. It is 7,687 feet above sea level.

BAHLOH is another hill station in the district.

Traffic is mainly carried by rail, but road traffic to Sialkot and Jammu also exists.

District Board Cattle fairs are Shahgarib at Shahgarib Tehsil, Shakargarh, June, Gurdaspur October, Batala November.

GURGAON DISTRICT.

The GURGAON district (area 2,217 sq miles; population, 740,163; languages, Urdu, Hindi and Mewati) is situated on the outlying hills of the tableland of Rajputana. The rainfall averages about 25"

The chief crops are barley, wheat, millets, bajra, gram, pulses, cotton, sugarcane, etc.

The industries comprise weaving of coarse cotton cloth. Muslin is woven at REWARI but brass manufacture of REWARI is the chief industry. Shoes are made at JHARSA. There are several ginning and pressing factories. Distillation is carried on at FEROZEPUR-JHIRKA.

The chief exports are sugar, grains, piecegoods, hardware, besides cereals and pulse in which the district has a large trade. The imports are salt (from Sakhbar Lake), iron, etc.

GURGAON, the Sadar Station, is 20 miles from Delhi on the B. B. & C. I. Ry. It is not of much importance as a trading town. Its principal items of trade are ghee, gram and cotton.

REWARI (population 26,269), the chief centre of trade in the district, is a station on the B. B. & C. I. Ry., 52 miles from Delhi and 797 miles from Bombay. It has a large export trade in wheat, gram, mung, pulse, sugarcane, barley, metalware and brassware. Merchants deal with Northern India and Rajputana.

BALABAGH, a station on G. I. P. Ry., 27 miles from Delhi and 930 miles from Bombay, possesses a mandi for gram, bajra, gram, barley, and cotton. **PALWAL** (population 10,807) also on the G. I. P. Ry. (Agra and Delhi Br.), is a depot for the cotton of the surrounding country, and HODAL exports ghee, cotton, gram, and wheat.

Other trade centres are NUH, FIROZEPUR-JHIRKA, HATTIN, NAJINA, PANCHANA, HANSANPUR and FURRUKHANAGAR (for Sultanpuri salt). The traffic is mainly rail-borne.

HISSAR DISTRICT.

The HISSAR district (area over 5,000 sq miles; population 889,479; languages, Urdu, Punjabi and Bagri) situated on the border of Rajpu-

Principles of construction of storage batteries and their care are dealt in Manufacture of Batteries. Industry Book Dept., Calcutta. Re. 1/8.

Chief crops are —Rice, wheat, bajra, gram, rape and mustard, sugarcane, cotton, fodder crops

Gypsum is made at NURPUR

Silk and cotton cloth are woven and there are several steam mills and factories Oil milling is done SANGLA, HAFIZABAD and GUJRANWALA are the centres of mill industry A large and growing trade is being carried on in wheat, grains, cotton, oil, oilseeds, brass vessels, and ghee

Principal items of export are iron safes, brass vessels, gram, linseed, aluminiumware, and wheat The imports consist chiefly of piecegoods, paper, cloth, country soap, sugar, wines, and general merchandise.

GUJRANWALA (population 58,716) —The Sadar Station is noted for fine cutlery, nut-crackers, etc. There is an aluminium factory here It is a centre of trade for grains

HAFIZABAD (population 14,431) —It is an important gram, cotton, and rice market 80 miles from Gujranwala (by road) and 100 miles from Lahore It exports large quantities of rice, gram, wheat, cotton, sugar, etc. and imports cotton and woollen goods, sugar, spices, coal and general merchandise

WAZIRABAD (population 20,707) a centre of considerable trade in the district, lies at a distance of 20 miles from Gujranwala The chief industry of Wazirabad is cutlery and Malacca sticks The trade of the town is timber from Kashmir which arrives via the Chenab

GUJRAT DISTRICT.

The GUJRAT district (area 1,978 sq miles, population 922,427, language Punjabi) lies on a narrow strip of the sub-Himalayan tract and is hilly to a certain extent Rainfall averages about 28"

Chief crops are —Wheat, bajra, grains and pulses, rape and mustard, cotton, fodder crops

There are no waste lands in the district and the average holding is very small and there is great need of intensive cultivation

Furniture of GUJRAT is of good quality Damascening of iron and brass for ornamental work, cotton cloth weaving and hemp sack making form the industries of the district. Cloth weaving, inferior wool and pasham are woven at JALALPUR. Soap making, and boot and shoe making are also done.

The district exports, in considerable quantities, wheat, millet, oil seeds, oil, ghee, wool, cotton and hides by rail generally The district imports piecegoods, iron, salt, sugar, rice, wool, brass vessels, spices, dyes, etc GUJRAT is the Sadar Station and the only place of commercial importance. It has a population of 26,511 and is a distributing centre of raw iron, foreign goods, etc to the villagers Trade in dried fruit from Kashmir is also pursued

Other trade centres are JALALPUR JATTAN (12,507) and KHUSHAB (population 14,194).

Chief fairs are —Gujrat Horse Show and Cattle fairs, Phalia Tahsil Cattle fair at chak No 40, One day cattle show at Kharian, Daulatnagar, Patrianwali and Chillianwala.

GURDASPUR DISTRICT.

The GURDASPUR district (area 1,822 sq miles; population 970,898, language, Punjabi) is intercepted by numerous hill streams, besides the Ravi and the Beas The annual rainfall averages about 80".

The soil is rich and fertile. The Doab and the river beds are particularly so

Chief crops are —Wheat, rice, maize, gram, other grains and pulses, sugarcane, cotton, fodder crops.

Principles of construction of storage batteries and their care are dealt in Manufacture of Batteries. Industry Book Dept., Calcutta. Re. 1/8.

HOSHIARPUR (population 26,730) is the headquarters of the district and stands on the N. W. Rly and on the Lahore Jullundur-Hoshiarpur Section. It is famous for the production of articles of wood inlaid with ivory, for brasswares and glass bangles. The principal trade of the town consists of exports of grain, sugar, rice, and tobacco.

An annual religious fair is held at JALAMUKHI during Pujah season.

JHANG DISTRICT.

The JHANG district (area 3,387 sq miles; population 664,833, language, Punjabi) is very dry and the rainfall averages about 10".

Area under crops in 1935-36—Rice 1,300 acres, wheat 344,000 acres, barley 9,000 acres; bajra 34,000 acres, masha 1,600 acres, maize 18,500 acres, gram 41,000 acres, other grains and pulses 77,000 acres, oil seeds 16,000 acres, sugarcane 3,800 acres, cotton 106,000 acres, tobacco 4,200 acres, fodder crops 172,000 acres, fruits and vegetables 4,500 acres, total 834,000 acres. Raw wool of the district is important.

Wood carving and carpentry of CHINIOT (population 25,841) are famous. Saddles and locks of good quality are made at JHANG-MAGHIANA. Cotton weaving is practised. Preparation of cotton for the market is an industry and the district has several flour mills and iron foundries.

The chief articles exported are wheat, cotton, oil seeds and other agricultural products. The imports are iron, timber and piecegoods. There are not sufficient metalled roads in the district and the traffic is carried mainly by rail (N. W. Rly).

JHANG-MAGHIANA (population 36,035) is the district headquarters and has a considerable trade in gram and country cloth. Leather, soap, locks and other brass work are manufactured here.

JHELM DISTRICT.

The Salt Range of the Punjab passes through the JHELM district (area, 3,900 sq miles, population, 541,076, language, Punjabi). The greater part of it consists of sandstone. The average rainfall is about 20".

Chief crops are.—Wheat, bajra, gram, other grains and pulses, rape and mustard, fodder crops.

Boat building is carried on at JHELM. Brass vessels and silk hangings are made at PIND DADAN KHAN and ivory combs at JHELM. Water mills are used for grinding.

JHELM (population 23,499) is an important timber depot, being the headquarters of the forest officer of the Jhelum river. The articles of trade are brass, copper and stone. Grains and crops, ivory, and combs are exported.

PIND DADAN KHAN is a trade centre whence grains and crops, coarse cotton and silk cloth are exported.

KHEWRA—Gypsum is made from rock salt occurring here. Khewra salt is the most important item of export. Other important exports are timber, stone, coal (from DANDAT COLLIERY), and agricultural produce. Imports consist chiefly of piecegoods, iron, sugar, cotton and paper.

There are roads and traffic is carried on by railways.

The main line of the N. W. Rly between Peshawar and Delhi passes through Jhelum town which is 185 miles from Peshawar, 103 miles from Lahore and 77 miles from Rawalpindi.

JULLUNDUR DISTRICT.

The JULLUNDUR district (area 1,131 sq. miles; population 943,721, language, Punjabi) forms the Southern part of the Beas Jullundur Doab.

For full process of manufacture of phenyle, read DISINFECTANTS & ANTISEPTICS. Industry Book Dept., Calcutta. Price Re. 1/8.

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KARNAL DISTRICT.

The KARNAL district (area 2,396 sq miles, population, 852,613; language, Hindustani) is watered by the Jumna canal. Kankai is abundantly found in the district. Chief crops are gram, wheat, rice, jowar, bajra, maize, other grains and pulses, rape and mustard and sugarcane, and cotton, fodder crops.

KARNAL is famous for shoe making, PANIPAT, for glass work (silvered globes) and brass vessels and fancy wares. Glass bangles are made here. Both the towns have cotton ginning factories. Silver wares and musical instruments and wood work are made at SAHABAD (population 12,193).

The exports are wheat, cotton, gram, fine rice, ghee, brass vessels, glass, sal ammoniac and saltpetre. The imports are salt, oil seeds, iron and piecegoods.

KARNAL (26,610) is the district headquarters and lies on the N. W. Rly. It exports grains and other raw products to Ambala, Delhi, Hissar and adjoining places. Raw sugar is sent out further north. Boots and shoes, blankets, saddlery goods, harness and other leather goods form the chief industries of the town. It does an extensive export trade in these articles. It is 77 miles from Delhi and 466 miles from Ambala.

Other trade marts are KATTHAL (population 19,418), THANESAR and GUHLA.

PANIPAT (population 32,915) is another trade mart.

N. W. Railway and the Grand Trunk Road run through the district. The Delhi and Hansi branches of the Jumna Canal are also navigable to a certain extent.

LAHORE DISTRICT.

The LAHORE district (area 3,648 sq miles, population 1,378,570, languages, Urdu and Punjabi) is watered by Ravi and the Sutlej. Average rainfall amounts to about 23".

The district produces rich crops of wheat, gram, barley, cotton, maize, rice and millets. Sources of irrigation are canals and wells.

Cotton weaving, vegetable oil crushing, ivory bangle making, leather and furniture making and printing on cloth are the industries. There are several gins and presses and there is a big railway workshop (N. W. Rly). The chief exports from the district are wheat, cotton, oil seeds and cotton seeds in large quantities. The important imports are piecegoods, brass and copper vessels, salt, sugar, oil engine, machinery parts, motor cars, etc. The traffic is carried on railway (N. W. Rly), and the district is well supplied with railways and good metalled roads.

KASUR —Leather goods and cotton carpets are manufactured here. It is only next to Lahore in importance. It is the centre of local trade and exports cotton and grain.

JALLO —There is a resin manufacturing factory situated at this place. Good resin is made here.

LAHORE —Lahore, the capital of the Punjab with a population of 429,747, stands on the river Ravi. It is the largest city in the Province. Its distance by rail from Calcutta is 1,278 miles, from Bombay 1,280 miles and from Karachi 784 miles. Its nearness to Karachi drifts much of its trade to that port. It is the chief trading centre for the agricultural produce of the district. Lahore serves the whole of the Punjab. Wheat and other produce are transported from here to Karachi for export. Leather trade here is an important one and a large quantity of saddlery and shoes is turned out annually. Rugs and carpets are woven on a large scale. Cotton fabrics are largely made. Cotton

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INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA. Price As. 4.

Towards the west of the district Nil-gai and deer are found in abundance. Several kinds of trees succeed very well in plantation in this district due to its proximity to the Himalayas.

Chief crops are—wheat, maize, gram, other grains and pulses, cotton, and fodder crops.

A good deal of cotton weaving is carried on in the district. Silk is woven at JULLUNDUR TOWN. Hookah tubes and iron jars are manufactured at NAKODAR. The district is reputed for carpentry work and brass vessels. There are flour mills, iron and brass foundry and gins and presses. Traffic of the district is mainly in agricultural produce.

Grains are imported from Ludhiana, Ferozepur and the States for export to the hills. Sugar and molasses are manufactured and exported. The district sends out considerable quantities of silk, gold lace, carpentry work, buckets, mangoes, wheat, gram, etc. etc. all over the Punjab, the U. P., and Central India. Principal articles imported into the district are sugar, machinery accessories, kerosene oil, salt, piece-goods, oil seeds and cakes, cotton seeds, hardware, brass and copper vessels, rice etc. Traffic is rail borne and the district is exceptionally well provided with roads.

JULLUNDUR TOWN, (population 89,030) a Station on the N W Rly., is the district headquarters. The town manufactures gold lace (gota) and turns out good carpentry work, and steel trunks and buckets. There are flour mills and iron and brass foundries. Silk is woven and cabinetware is turned out. It is an important military station.

Other centres of trade are NAWASHAHR, PHILLOUR and NAKODAR.

KANGRA DISTRICT.

The KANGRA district (area, 9,978 sq miles, population, 801,312. languages, Gadi, Punjabi, Urdu, Lahauli, and Biluti) is famous for its beauty owing to the Dhaola Dhai's snowy peaks. The average rainfall amounts to over 70".

The forests of Kulu and Kangra abound in large leopards, wolves, hyenas and deer of various sorts. Iron smelting is carried on in KANGRA on a small scale as iron ores are found in the district. Copper is also met with in KULU.

Chief crops are—wheat, barley, maize, rice, gram, other grains and pulses, potatoes and poppy. The climate of Kulu is suitable for growing all sorts of European fruits and vegetables. The district has a large trade in pears and apples.

Tea making is the important industry. Cotton cloth is woven and baskets and blankets are made at KANGRA, KULU, LAHUL and SPITI. Glass bangles are also made in the district.

The chief exports consist of rice, tea, potatoes, spices, indigo, skins, piecegoods, blankets, pashmina wool, ghee, honey and beeswax, and the imports are raw silk and wood, chais, and general merchandise.

The chief centres of trade for Kangra in the plains are at Hoshiarpur, Jullundur, Amritsar and Pathankot. Considerable foreign trade exists with Ladakh and Yarkand through SULTANPUR in Kulu. The exports to those places are cotton piecegoods, indigo, skins, opium, metals, silk, sugar and tea, and the imports from those places are ponies, borax, charas, raw silk and wool.

Internal trade centres are KANGRA, PALANPUR, SUJANPUR, TIRA HAMIRPUR, JAWALA, MAKHI and NURPUR. Traffic is cart-borne. Sadar Station is DHARAMSALA.

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GOJRA a municipality (the only other municipality in the district besides Lyallpur town), is also an important grain market. Wheat, grain, cotton, and toria are largely marketed here.

MIANWALI DISTRICT.

The MIANWALI district (area 5,395 sq miles, population, 411,539, Elevation, 655 ft) is crossed by the Indus. The district has an average rainfall of about 12" only.

Soil is on the whole good and fertile and produces rich crops of wheat, barley, gram, bajra, pulses and jowar. Cultivation depends upon well and tanks.

Rock-salt, alum, rock-oil, petroleum and coal are also available. The chief industries are the making of iron vessels and instruments, and cotton check weaving and basket making. Saltpetre is made from efflorescent earth on a large scale in the district at ROKHRI, KALBAGH and other places.

The chief exports are salt, alum, iron vessels, baskets, wheat, cotton, barley, rapeseed, oil seeds, wool and hides. The important imports are iron, cotton piecegoods, thread, silk, sugar, rice, potatoes, timber, and wines.

MIANWALI (population 15,412), the district headquarters, is a small but flourishing town with some trade. The station is on the Kundian-Campbellpur Section (N. W. Ry) 112 miles from Campbellpur and only 10 miles from Kundian. BHAKKAR a station on the N. W. Ry (Malakwal-Sher Shah Section) lies on the bank of the Indus and is famous for its mangoes, dates and timber. The big grain market here exports, in considerable quantities, wheat, gram, dates, beans, wool, oilseeds, rapeseed, tobacco and vegetable oil.

Other important trade centres are KALABAGH, LETHIAH and KARAR.

N W Ry passes through the district and traffic is carried both by rail and by boat.

MONTGOMERY DISTRICT.

The MONTGOMERY district (area, 5,574 sq. miles, population, 999,772, language, Punjabi), is a perfect plain. The climate is dry and healthy and the average rainfall amounts to about 10" only.

Chief crops are —Wheat, gram, bajra, maize, other grains and pulses, rape and mustard, cotton, fodder crops. Saltpetre is also found. Montgomery breed of cattle is famous.

The chief industries of the district are making of legs of bedsteads, boxes, toys, spinning wheels, cotton prints, cotton and woollen carpets, brass vessels, silk, etc. It has ginning and pressing factories. Refining of saltpetre is an important industry at KAMALA, OKARA, etc. There is an oil mill at ARAFWALA.

The chief articles of export are wheat, cotton, oil seeds, wool, hides and ghee. The imports are millets, rice, sugar, cloth, hardware, wines, stationery, machinery, etc.

MONTGOMERY (26,164), a Municipality and district headquarters, is on the N. W. Ry, 1,381 miles from Calcutta. It is an important centre of trade, specially for cotton. There are dak bungalows in the town.

OKARA (population 10,712), on the Lahore-Karachi main line of the N. W. Ry, 80 miles from Lahore and 875 miles from Karachi, is the centre for cotton trade in the district. It has several ginning and pressing factories. The place is also known for its saltpetre.

CHICKAWATNI is a village, but it is an important market for cotton as also vegetable oil, linseed, etc. Its exports consist chiefly

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weaving, spinning, ginning and pressing are carried on to some extent. Factories of modern types for the manufacture of soap, chemicals, hosiery, etc., are developing. There are tanneries, glass works, flour mills, sugar works, tobacco works, oil mills, ice factories and saw mills.

SHAHDARA—It is a centre of cotton weaving and printing industry. Refining of saltpetre is conducted on a large scale and several factories are engaged in manufacturing it from efflorescent earth. There is also a match factory here.

LUDHIANA DISTRICT.

The **LUDHIANA** district (area, 1,375 sq miles, population 6722,494, language, Punjabi), is watered by the Sutlej. The average rainfall is about 30".

The chief crops are wheat, gram, barley, rape seed, maize, pulses, millet and sugarcane. Cultivation depends upon water, which is received from canals, rivers, wells and tanks.

Shawl weaving, cotton stuff, ivory billiard ball making, sugar refining, oil pressing, etc. are the main industries. There are several cotton gins and presses and flour mills.

The chief exports are wheat, maize, jowar, oats, barley, vegetable oil, rape seed, millets, pulses, woollen and cotton goods. The principal imports are piecegoods, cotton yarn, sugar, iron, salt, barley, brass and copper vessels.

LUDHIANA (population 68,586)—It is situated about 6 miles from the left bank of the Sutlej. An important railway junction on N W Ry, it is 117 miles from Lahore, 103 miles from Simla and 1,162 miles from Calcutta. It is the centre of hosiery manufacture. There are ice and durrery factories. It is an important grain market and all kinds of grains, viz., wheat, millet, etc. are brought for sale and exported to neighbouring towns. Ludhiana supplies turbans to almost all the Indian Regiments.

KHANNA is a railway station on the main line of the N W Ry, 26 miles from Ludhiana. It is an important market for salt, cotton and rice.

JAGRAON, (population 68,586) a station on the Ludhiana-Ferozepore Section and 24 miles from Ludhiana has a good grain market known as **ANDERSONGUNJ**. It exports brassware, copperware, woollen blankets, rice, gram, wheat, tobacco, pulses, barley, etc.

SAMRALA is also a centre of trade.

The traffic is carried by rail and boats. N W Ry traverses the district which is well supplied with metalled roads.

LYALLPUR DISTRICT.

The **LYALLPUR** district (population 1,151,351) is hot and dry. The average rainfall amounts to about 12" only annually. It is wholly irrigated by the Chenab Canal and the result has been a very rich and fertile soil. Chief crops are—wheat, bajra, maize, gram, rape and

LYALLPUR (population 42,922) is the district headquarter. It is a big centre of trade in the Punjab, being one of the biggest depots for the exportation of wheat. All kinds of agricultural produce from the Chehab Colony are collected and are exported to various parts of the Province and beyond. It is 90 miles from Lahore. It is a municipality.

JARANWALA, a station on the N W Ry (68 miles from Lahore), is a good grain market in the district. Its chief products are sugar, maize, wheat, cotton, gur, and gram.

TORATEKSINGH is an important gram market. Wheat (in large quantities) and cotton are exported from here. It also stands on the N W Ry.

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The soil is alluvial loam and is fertile Chief crops are —wheat, gram, rice, grains and pulses, rape and mustard and cotton, fodder crops The cultivation of land depends mainly on irrigation from canals, besides wells and tanks.

The important industries are cotton weaving, mat and basket weaving and decorations, etc There are cotton ginning and rice husking factories

The chief exports are wheat, sugar, cotton, indigo, ghee, dates and mangoes. The important imports are piecegoods, metals, salt and lime N. W. Rly. passes through the district and traffic is carried both by rail and by river.

MUZAFFARGARH is the district headquarters It is only 9 miles from Sher Shah and 19 miles from Multan The Station on Shershah-Malkwal Section (N. W. Rly.) has a dak bungalow A mud wall surrounds the whole town.

RAWALPINDI DISTRICT.

The RAWALPINDI district (area, 2,046 sq miles, population, 634,367, languages, Punjabi and Bhutwani) is one of the frontier districts of the Punjab. The average annual rainfall is about 42".

Chief crops are —Wheat, jowar, bajra, maize, grains and pulses Some inferior quality rice is grown in the Murree Hills where potato has proved a great success.

Oil springs exist in the district Cotton is woven everywhere Silk embroidered phulkaris are famous Railway workshop of the N. W. Rly. is situated at RAWALPINDI Gas works and breweries, tent factories and iron foundries are also there The district produces a fair quantity of raw wool Leather is tanned and curved in RAWALPINDI Town

Trade is carried on in necessities of Murree and Rawalpindi and the through traffic for Kashmir passes through Rawalpindi The exports are grains and oil seeds, hides and raw wool, Kashmiri woollen goods and fruits. The imports are piecegoods, rice, hardware, tea and salt, motor cars, cycles, sugar, coal, fruits (from Murree and Kashmir), ghee, etc Timber comes from Kashmir.

RAWALPINDI TOWN (population 119,284). It is the chief town and district headquarters and is one of the largest military stations in India. It is on the N. W. Rly., 180 miles from Lahore, 1,355 miles from Calcutta and 897 miles from Karachi A horse show is held here annually in April Conveyances (tongas and also taxis) are available

GUJARKHAN, 33 miles from Rawalpindi, is a market for wool, wheat, oilseeds, pulses, tobacco and ghee.

KAHUTA is known for its export of Indian herbs, pomegranate seeds, walnuts etc

N. W. Rly. crosses the district. Metalled roads are the Grand Trunk Road and the Kashmir Road.

ROHTAK DISTRICT.

The Rohtak district (area 2247 square miles, population 805,621, languages Hindustani and Brybhasha) is on the whole salubrious and the average rainfall is about 23".

Agricultural conditions depend more on irrigation than on soil which is generally good, light coloured and alluvial. Area under crops in 1936-37 —Wheat 128,410 acres, barley 20,501 acres, jowar 93,797 acres, other grains and pulses 802,599 acres, rape and mustard 11,018 acres, total oilseeds 4,505 acres; condiments and spices 2,108 acres, sugarcane 37,322 acres; cotton 63,655 acres, other fibres 900 acres, fodder crops 221,537 acres; fruit and vegetables 5,932 acres, total 1,392,364 acres

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of wheat, cotton, gram, tilseed, linseed, toria, etc. It is 103 miles from Lahore, 26 miles from Montgomery and 626 miles from Karachi.

Other trade centres are KAMALIA (population 13,220) and PAK-PATTAN (population 11,311). The entire import and export trade of the district is carried by N. W. Rly. which passes through it.

MULTAN DISTRICT.

The MULTAN district (area of 6,107 sq miles, population, 1,174,900, languages, Multani and Urdu) is situated on the northern border of the Rajputana desert. The average rainfall does not exceed 8".

Soil is alluvial but sand is also found in many places. Chief crops are —wheat, jowar, bajra, gram, grains and pulses, rice, rape and mustard, sugarcane, cotton, fodder crops. Sugar, maize, tobacco and indigo are grown in small quantities. The cultivated lands are irrigated by canals, wells and tanks. Multan breed of cattle are prized all over India for their milk-yielding capacity. Wool is obtainable in abundance.

The chief industries are pottery of good quality, silverware, cotton and woollen carpet, silk fabrics, cotton printing, metal work, ivory turning, textiles of cotton and silk mixed together. There are cotton ginning and pressing factories.

The chief exports are wheat, cotton, indigo, bones, dates, vegetable oil, soap, wool, hides and carbonate of soda. Multan also sends out huge quantities of dates and pomegranates. The imports are raw wool, rice, oil seeds, oil, wines, sugar, ghee, tin, watches, iron and piecegoods, N W Rly passes through the district and carries the entire trade.

MULTAN (population 119,457) —It is one of the frontier towns of India. It has a municipality and a cantonment. It is 209 miles from Lahore, 45 from Delhi and 573 from Karachi. As a trade centre, Multan is now of great importance, being connected by rail with Lahore and Karachi and by the Ravi, the Jhelum, and the Chenab with the whole of the Central Punjab. Large quantities of raw produce are shipped by country boats from Sher Shah, the port of Multan, to Karachi. The trade of Multan comprises every article of produce, manufacture and consumption in the Province. The chief imports are wheat, sugar, cotton, indigo and wool. The importance of Multan as a trade centre can be easily realised. It collects cotton, wheat, oil seeds, sugar and indigo from the surrounding country for export to the South, it receives fruits, drugs, raw silk and spices from Kandahar traders and passes them on to the East. The Afghan traders take back indigo, European piecegoods and country-made cloth, sugar and shoes. Foreign merchandise is generally distributed through Multan to the western districts and the neighbourhood.

The chief local manufactures are silk and cotton weaving and carpet making, decent country shoes are also made in large quantities for exportation. The glazed pottery and enamel work of Multan, although not industries on a large scale, have a high reputation. The manufacture of tin boxes and soap is a growing and important industry. Surgical instruments and hospital requisites of Multan have already established a reputation in the market.

KHANEWAL (population 11,205), a station on the N W Rly and a junction for Lodhran, Shorkot and Lyallpur, has a big grain market near the Rly Station.

MUZAFFARGARH DISTRICT.

The MUZAFFARGARH district has an area of 1,339 sq miles and is peopled by 591,375 persons. Language is Multani. The average annual rainfall is about 7" only.

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day. Shahpur City, Shah Shamas Fair, April, 4 days. Khamb Nau, Mela Sakandar, February, 1 day. Thakhat Hazara, Shah Shahamdi Mela, April, 2 days. Miani, Bisakhi, April, 1 day. Sheikhpur, Qatwala, All Sundays of Chet, 4 days. Turtipur, Ahdham Sultan, July, 1 day. Bhalwal Old Abadi, Sheikh Suleman, June, 4 days. Khushab, Cattle Sheep & Goat Fair, March, 2 days. Nabi Shah Khurd, Shah Shahabal, July, 3 days. Faruka, Mohib Shah, August, 2 days. Sahiwal, Lal Shrin, July, 2 days. Shahpur Sadar, Cattle Fair, 24, 25 & 26 every month, 3 days. Bhalwal, Cattle Fair, 11, 12 & 13 every month, 3 days.

SHEIKHUPURA DISTRICT.

The SHEIKHUPURA district (area 2,313 sq. miles) (population 696,732) is mainly agricultural. Rainfall is moderate.

Area under crops in 1935-36 —Rice 123,200 acres, wheat 288,500 acres, barley 11,000 acres, bajra 34,800 acres, maize 23,400 acres, grain 113,000 acres, oilseed 56,500 acres, pulses 5,000 acres, cotton 132,000 acres; sugarcane 16,500 acres, tobacco 3,200 acres, fruit and Vegetables 8,000 acres, fodder 135,500 acres.

SHEIKHUPURA (population 12,166) a railway junction station on North Western Railway, 26 miles from Lahore, has a market exporting wheat, cotton, Rice and Toria.

At NANKANA SAHIB a big fair is annually held on Kartik Purnamashi (Full moon day in the month of Kartik) and from all parts of the province thousands of Sikhs flock to the place on the occasion. Its trade consists of ghee, gur, rice, wheat, grain, cotton (India and America) and other raw produce.

CHUHARKANA MANDI is a market for rice, gur, gram, ghee and rape seed.

SANGLA HILL, 68 miles from Wazirabad and 62 miles from Lahore, is an important market for wheat, cotton, gram, barley, raw sugar, rapeseed, oil, ghee and gur. Its exports are wheat, gram, linseed, vegetable, oil, cotton, gur, etc. Imports consists mainly of machinery for Juis and parts, agricultural implements, hardware, piecegoods, woollen goods, etc.

SHAHDARA, 5 miles from Lahore standing on the left bank of the Ravi. Shahdara exports matches, suji, flour, mangoes and country cloth and imports coal, woollen goods, general merchandise, etc.

North Western Railway and the Public Works Department Arterial roads from Lahore to Lyallpur and from Lahore to Sargodha traverse the district and are its chief means.

SIALKOT DISTRICT.

The SIALKOT district (area 1,958 sq. miles, population, 979,617. language, Punjabi) is intersected by the Ravi, the Degh and the Chenab. The average annual rainfall is about 35".

Soil is generally loam but clay is also found. Chief crops are wheat, barley, bajra, maize, gram, other grains and pulses, sugarcane, cotton, and fodder crops.

Tents, boxes and surgical instruments are made. Cotton ginning is carried on. Beddings, shatranjes (durries), asans, etc., are manufactured in the district. Printed cotton stuff and cotton weaving are carried on at PASUR and shawls of pasham at KOILA SHOBA SINGH. Sporting goods are made at SIALKOT.

The chief imports in the district are grains, rice, tobacco, ghee, timber and tea, besides cantonment necessities. The chief exports are rice, sugar, pepper, cotton cloth and brass vessels. The district is well supplied with roads.

The town of SIALKOT has a population of 109,973 with the cantonment which is pretty big. It is a flourishing trade centre and an

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The pottery of Jhajjar and the Saddlery of Kalanaur and fine muslin turbans of Rohtak town are the chief industries. Woolen blankets are woven somewhere in the district. There are several cotton gins and presses. Cloth weaving is carried on for local consumption only.

The chief exports are grains and cereal.

ROHTAK TOWN (population 35,235) in the Delhi-Lahore time (N W R) is an important trade centre in the Punjab. Muslin turbans interwoven with gold and silver thread and a form of muslin known as Tanzeb are produced. It is a big grain market.

Among other centres of trade mention may be made of SONEPAT (an important grain market), GOHANA, BAHADURGARH, SAMPLA (grain and cotton markets). The ruins of Rohtas Garh (Khokra Kot) the Pinjra Pole, the old mosque and the Gaukaren Tank are places worth paying a visit.

The district is traversed by the Southern Punjab Railway, Rewari-Bhatinda and Malwa Rajputana Railway and Rohtak-Gohana Panipat Railway and is well provided with good roads.

SHAHPUR DISTRICT.

The Jhelum river divides the SHAHPUR district (area, 4,799 sq. miles, population, 821,490, languages, Punjabi) into two parts and the Jhelum Valley is the most populous part of the district. Average annual rainfall is about 15" near the Salt Range.

Area under crops in 1936-37: Rice 3,981 acres, wheat 460,673 acres, barley 9,573 acres, jowar 21,972 acres, bajra 112,988 acres, maize 22,815 acres, gram 249,776 acres, other grains and pulses 20,782 acres, rape and mustard 35,089 acres, total oil seeds 55,939 acres, sugarcane 7,168 acres, cotton 241,767 acres, dyes and tans 2,295 acres, tobacco 2,641 acres, fodder crops 256,958 acres, fruits and vegetables 7,525 acres, total 1,491,942 acres. The forest products are acacia, arabica and shisham. Salt is found and bored in the Salt Range.

Cotton cloth is woven and exported. Felt rugs are made at Khusal and Bhera. Blankets, felts, etc. are also made at the latter place. Stones are used in making handles for knives, razors, etc. Wood work of BHERA and lacquered work of SAHIWAL are also famous. Crude saltpetre is also manufactured.

SILAHPUR town has a population of about 10,000. There are sixteen ferries on the Jhelum in the district. It is not important commercially. SARGODHA (population 26,761) is the Sadar Station and administrative headquarters and an important centre of trade for wheat, cotton, pulses, rape seed, ghee, gur, sugar, gram, and wheat flour. The chief imports are piecegoods, metals, sugar and rice. N W Rly crosses the district with a short branch to Bhera and another from Dhak to Katha. Sargodha and Khushab, and Sargodha and Lyallpur are also joined by a railway line. The district has good metalled roads.

List of Fairs:—Sargodha, Cattle & Horse Show Fair, April, 6 days, and Dushehra, October, 1 day. Chak 127 S B, Guisar, January, 3 days, Chak 127 S B, and Bisakhi, April, 2 days. Chak 78 N B, Basakhi, April, 1 day. Dharema, Mela Habib Sultan, December, 2 days. Chak 45 S B, Bisakhi, April, 1 day. Chak 55/35 S B, Mela Mohd Shah, June, 2 days. Chak 101 N B, Bisakhi, April, 1 day. Chak 109 N B, Nangazah, June, 2 days. Kirana Hill Station, Kirana, March, 3 days. Chak 81 S B, Mela Sam Karam Elahi, July, 1 day. Chak 38 N B, Mela Qasim Ali Shah, July, 1 day. Khushab, Hafiz Diwan Sahib, 2 days, and Sa Kuruf Shah and Marufshah, April, 1 day. Girof, Bisakhi Dyal Bhawan, April, 1 day. Shah Jamali, April, 1 day, and Dushehra, October, 1 day. Narshung Pohar, Narshung Pohar, April, 1

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DELHI.

DELHI DIVISION (area 557 sq. miles, population 630,246) is now under the administration of a Chief Commissioner. Urdu, Hindi and Punjabi are the languages spoken here. The principal crops of the division are sugarcane, wheat, barley and cotton. All sorts of raw goods, grains, spices, seeds, medicinal herbs, silk cotton manufactures, and flour, oil and biscuits are available in large quantities. Among other local products of artistic value are velvet, kinkhab, salma, chumki and suchha, ornamental works are also largely obtainable from the place. Metal utensils, good tobacco, surti, kumam, various kinds of toys, country made rose water, floral oils, pickles, boots, leather goods, shoes, costly bedsheets and satranjes, carpets and gaгарas are available here. Ivory carving and gold and silver wire embroideries are excellent. Leather wares, dried fruits and all sorts of fancy goods are also available here. The principal crops of the division are sugarcane, wheat, barley and cotton.

DELHI (population 341,539) city takes the first place as a commercial town in Northern India, rivalling Cawnpore and Amritsar and ranking next only to the seaports of Calcutta, Madras, Bombay and Karachi. It is a great distributing centre and its field of operation extends on all sides to a wide circumference. There is through communication with the different radial parts. Indeed, Delhi is the junction of all the large railways in Upper India, and her central position and the excellent facilities of communication ensure for her an important commercial position which is evidenced not only by the large business done in importing and distributing commodities wholesale, but in the number of industrial establishments which have sprung up in and around the City. Arrivals and despatches of large volumes of coal, cotton and cotton yarn, cotton piecegoods, gram and pulses, gunny bags, petrol, tea, etc are made through this important commercial centre. There are 7 cotton mills with a total of 115,026 spindles, 3,564 looms and an average of 7,876 hands working daily and they are doing well. During 1935-36 local cotton mills spun 25 million lbs of yarn and 73 million yds of woven goods. All sorts of modern industries are also making headway here. Delhi is moreover, the exchange, financing and clearing house of the Punjab and of a large part of Upper India and Rajputana. There are two associations to look after the economic and financial interests of the merchants, viz, the Punjab Chamber of Commerce and the Delhi Hindustani Mercantile Association.

Piecegoods, woollen and silk goods, etc are imported in vast quantities from England, France, Japan and U S A. There are several European firms and Indian commission agents who receive orders from the dealers and arrange for shipments from foreign countries. The goods are in the first instance received by the wholesale dealers occupying the cloth markets or Katras. They are chiefly Marwaris. The commission agents, who are locally known as Aratiyas, send out goods to merchants in the Punjab, United Provinces and Rajputana, especially to the centres at Amritsar, Cawnpore and Ajmer.

The items included in shops for retail sale of Besat Khana are bangles, cigarettes, crockery, felt caps, hats, hosiery, laces, lamps, lanterns, oilman's stores, provisions, shoes, soaps, stationery, trunks,

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entrepot for agricultural products Cricket, tennis and hockey bats, sticks and sporting accessories, tents, surgical and musical instruments, etc are made here in large quantities These industries have gained a firm footing and are in a fairly prosperous condition The present supply of raw materials, which consist mainly of mulberry wood, comes from the Chhanga Manga Forests There are several flour mills

SIMLA DISTRICT.

The SIMLA district (area 81 sq. miles, population 36,786; languages, Urdu, Hindi, Pahari and Tibetan), is 7,220 ft. above sea-level and is 1,169 miles from Calcutta and 70 miles from Kalka by Kalka-Simla Ry and 56 miles by cart road. Average annual rainfall is about 49".

Cultivation is sparse Area under cultivation during 1933-34 was 14,108 acres Potatoes, hemp, turmeric and ginger are largely cultivated and exported to Ambala and Kalka Iron is found in KOT KHAL.

The district has considerable trade with Chinese Tibet at Wangtu near Kotgarh But the trade is generally with Rampur and Bashahr The imports are wool, borax and salt and exports are cotton piece-goods, sugar, iron and woollen goods

Shawls and coarse blankets are made at SHUBATHU, which is a small hill cantonment and sanatorium, 23 miles from Simla.

SIMLA (population 18,252) is the summer capital of the Government of India It is a favourite hill station The chief exports are beer and spirits from the breweries and distilleries and it is also an entrepot of trade with Tibetan China Trade in Simla is brisk during March-April to October when high Government officials, princes and distinguished visitors assemble there Traders in fancy goods and goods of every day use come here at this time

No fairs are held in the Simla district There are 3 cantonments in this district viz Subath, Dagshai and Jutugh

KALKA—It is situated on the Kalka-Simla Railway The adjoining land is generally hilly and has forests Bamboos of this place make good lathis Ginger of a very good quality and potatoes are exported from this place in large quantities

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MARKET PLACES OF THE CENTRAL PROVINCES.

THE Central Provinces is situated, as its name signifies, in the central part of India and comprises, with Berar, an area of 130,000 square miles and is inhabited by a population of 17,951,147. A large part of the provinces, over 28 million acres, falls under the jurisdiction of the Native States, the chief of which are the Chhattisgarh States comprising Raigarh, Saktigarh, etc. The area under cultivation is over 27 million acres and there are extensive forests covering an area of more than 16 million acres.

Soil.—The soil of the district is black cotton, loam and alluvium, suitable for the cultivation of cotton, rice and food grains. The average rainfall is about 50".

Climate.—The climate is free from extremes and the rainfall is everywhere good. A large area is still covered with forests and jungles. The mountain slopes are clothed with valuable timber including teak, sal, etc. Lac is collected in the forests. Myriobalanis are available in abundance in the forests and the Jubbulpur varieties are in great demand in India and abroad. Silk cocoons are also obtained.

Crops.—By far the most important crop grown in the Provinces is cotton of the Oomiah variety. The area under cotton cultivation during 1936-37 was 40 million acres which yielded 810,000 tons of cotton as against 641,000 tons during 1935-36. Berar is eminently suited for the cultivation of cotton and the chief stations in the district are Akola, Akot, Amraoti, Ellichpur, Karanja, Khamgaon, etc. The chief stations of cotton cultivation in the Central Provinces excluding Berar are Arvi, Warud, Dhamangaon, Pandar-Kawda, Hinganghat, Nagpur, Waidha, Warora, Wun, Yeotmal, Katol, Saoner, etc. Average staple of the cotton is 5/8" to 6/8".

Among other crops grown in the Central Provinces and Berar during 1935-36 in the Provinces were rice (7.6 million acres), wheat (3,389,000 acres), cotton (3,969,000 acres), jowar (4,334,000 acres), gram (1,238,000 acres) other grains and pulses (5,417,000 acres), and oil seeds (1,914,000 acres), etc. The Province has the largest area in India under the linseed crop (1,215,000 acres), but the yield is below that of the United Provinces. The yield of linseed in the province was 82,000 tons. Gingelly or til seed also figures prominently (435,000 acres). Cultivation of groundnut has gone down to 149,000 acres. Other areas are bajra (93,000 acres), maize (156,000 acres), rape and mustard (68,000 acres), castor seed (30,000 acres), sugarcane (30,000 acres), fruits and vegetables (131,000 acres), tobacco (14,000 acres), condiments (123,000 acres), etc. are also raised. The total area under cultivation in C. P. and Berar was 27.5 million acres. Oranges and mangoes grow abundantly in the province and are exported to Calcutta and other markets. Nagpur oranges have got a firm hold on the Calcutta market.

From an agricultural point of view the Central Provinces and Berar may be divided into four tracts. The first is the wheat tract of the Narbada valley, the next, Berar and the Nagpur tract, where cotton is staple, and the people are both industrially and agriculturally,

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toys, and other fancy goods. The wholesale trade in the miscellaneous articles is mostly in the hands of Punjabi Mahomedans and SADAR BAZAR is the place of their business.

Groceries which include dried fruits, turmeric, spices, beans, almonds, palms, coconuts, betelnut, etc. are received from Kabul, Baluchistan, Bombay, Singapur, Madras, etc. The wholesale merchants have their shops in Khari Baoli.

There are several iron foundries in Delhi which supply various articles to mofussil, specially sugarcane crushers and pans. Several dairy farms of this district have an India-wide market.

DELHI CITY, (population 447,442) —It is situated on the bank of the Jumna. It is about 900 miles from Calcutta and about the same distance from Bombay. Delhi is the biggest Railway junction in India and is served by almost all the principal State owned Railways of India, e.g., N.W., Rly., E.I. Railway, G.I.P. and B.B. and C.I. Railway. It is connected to even the remotest part of the country by means of these railway lines. Also a Light Railway owned by Messrs. Martin & Co., runs through the district. Delhi has an Electric Tramway too which traverses the city and serves an area of about 6 miles. Regular bus services connect the city with such ancient places as Panipat, Muttra, Aligarh, Rohtak, Ghazabad, Meerut, etc.

The business in gold lace, gota and embroidery, etc. is carried on in Dariba. It is a great pity that the genuine gold laces have been mostly replaced by cheap imitation goods imported from abroad.

The grain business is confined to a place where facilities in the shape of railway sidings and goods yards are given. The wheat comes from the local canal tracts and is mostly exported again. The same remark applies with regard to barley. The rice is obtained for local consumption only from places like Nawabganj, Amritsar, Multan, Ferozpur, etc. Mustard, grown locally, is exported to Calcutta and Bombay, but linseed, which is brought from the United Provinces, is not re-exported. Wheat, barley, gram, pulses and like grains are imported from the neighbouring districts of the Punjab and the United Provinces and passed on to Bombay and Karachi.

Hardware such as corrugated iron sheets, girders, fittings, and metal goods such as brass and copper sheets are imported from Bombay and Karachi. The chief hardware market is CHAORI BAZAR.

Brass and copper utensils are either made locally or imported from noted places like Moradabad. Hides are obtained from all over the Punjab and are exported to Cawnpore or abroad. Bullion is imported from Bombay. A quantity of the silver and gold is re-exported to smaller markets. Timber is imported from Nepal, Kashmir, and the Simla Hills, stone slabs are imported from Agra and Bharatpur. There is also a considerable trade in jewellery, precious stones, shawls, embroidery, gold and silver wares, ivory work etc., and other Indian curiosities.

Among the less important articles of commerce are ghee, sugar, tobacco, country-made shoes, turbans and pickles and preserves.

The climate of the place is extremely hot during the hot season and very cold during the winter months. Among the places of interest here are the Fort, Juma Masjid, Kutab-Minar, Gurdwara and also the capital at NEW DELHI which is a modern city with the most artistic lay-out and design and has been inaugurated in February, 1931.

The scarcity of water supply in New Delhi has been overcome by government efforts. Delhi has also a University of its own. Primary education is compulsory within the municipal area.

SAFETY MATCHES & their Manufacture explains every aspect of the industry. INDUSTRY BOOK DEPT., Calcutta. Price Rs. 2/8.

employed by the factories increased from 59,896 (40,501 men, 18,799 women and 596 adolescents and children) in 1935 to 63,186 (42,492 men, 20, 294 women and 400 children) in 1936. In seasonal factories numerous requisitions were made for the provision of proper guards and safety devices. In non-seasonal factories, ventilation and artificial air-cooling arrangements in cotton mills were satisfactory.

There are 12 cotton mills in the Provinces, two in Akola, two in Nagpur and three in Wardha and one each at Badnera, Amraoti (Ilhchpul), Nimar (Burhanpur), Raj-Nandgaon, Jubbulpore (Ranital). These mills are equipped with about 323,000 spindles and 5,739 looms. There are also a large number (over 500) of cotton pressing and ginning factories. The district where pressing is done most are Nagpur, Wardha/ Nimar, Akola, Amraoti, Yeotmal. Besides, there is a number of railway workshops and ordnance factories.

Trade:—The trade of the province consists of exports of cotton, rice and food grains, etc. Considerable quantities of forest products, viz. lac, myrobalans, timber (sal, teak, saij, etc), hides and skins, gum, etc., are also exported. Mohua flower and birn leaves are available in great abundance and are exported. Mangoes, oranges (from Nagpur), and plantains are exported. The imports are coal, coke, piecegoods, salt, etc.

Railway and River Borne Trade:—Imports—Coal, cotton, yarn, piecegoods, fruits dried, glass, wheat flour, gunny bags and cloth, iron and steel, kerosene, vegetable oils salt, sugar, gur and timber. Exports:—Cement, coal, raw cotton, myrobalans, rice, wheat, hemp, manganese, lac and shellac, oil cakes, cotton seed, linseed.

Transport & Communication:—The province is well served by a network of railways, the chief being the B. N. Rly. and the G. I. P. Rly. The traffic is both rail and road-borne.

AKOLA DISTRICT.

The AKOLA district (area, 4,090 sq. miles, population 877,104) in the Central Provinces is situated on the G. I. P. Rly. and is 1,220 miles from Calcutta, 283 miles from Bombay and 157 miles from Nagpur. Soil is black loam and is mostly rich. Average rainfall is about 35". Languages are Marathi and Urdu.

The staple food crop grown is jowar (607,000 acres); cotton (819,000 acres) is also grown on a large scale. Other crops are rice, pulses, gram, and oilseeds. The country is very fertile and therefore there is very little uncultivable land in the district. Groundnut is grown over 36,000 acres and wheat over 93,000 acres. Berar cattle are obtainable at BALAPUR. There is a reserved forest in the Balaghat area the products of which are khair, amla and teak. Stone is mined.

Cotton carpets are woven at AKOT and BALAPUR. There are several cotton ginning and pressing factories and 2 cotton mills. Preparation of cotton for the market is the only industry.

Raw cotton is sent to Bombay by rail from AKOLA. The chief marts besides AKOT are TALAGAON and BALAPUR. The imports are gram and pulses, coal and coke, salt and sugar.

AKOLA, the headquarter town, has a population of 47,632 and is one of the principal centres of cotton trade. The market is situated at TAJNAPeth.

The tract surrounding AKOT town (population 18,693) is interspersed with garden lands and mango groves. Water is obtained from wells. There is a big mart for cotton which is sent to AKOLA. Good cotton carpets are woven there. MURTIZAPUR (population 11,541) on the G. I. P. Rly. is another big market for grain and cotton.

Other trade centres are KARANJA (16,615) and BASIM (14,409).

For experimented formulas for damp proofing matches consult Safety Matches and Their Manufacture. Industry Book Dept., price Rs. 2/8.

more advanced than elsewhere. The third has for its distinctive crop rice, which is grown mainly in the Wainganga valley and in the great plain of Chhatisgarh. The fourth comprises the upland districts, the centre of the province, where cultivation is in a comparatively backward state but the country is covered in many places with useful forests and contain valuable minerals. Although by far the larger portion of the locally produced cotton is exported, enough is worked up locally to give a decidedly industrial bent to the population of such towns as Nagpur, Akola and Buihanpur, and the export and manufacture of cotton have built up a wealthy class of traders and industrialists, who have placed this tract in point of resources very far ahead of any other part of the province, however fertile the soil.

Budget estimates for 1937-38 show a small surplus of Rs 31,000, estimated receipts being Rs 4,74,84,000 and expenditure Rs 4,74,53,000.

Minerals:—The most important mineral mined in the province is manganese ore which occurs most in the districts of Balaghat, Nagpur and Bhandara, where increased activity is reported. This is consumed by the iron and steel factories for the manufacture of ferro-manganese. Manganese ore were exported by rail to Calcutta, Bombay, Vizagapatam and Tatanagar, Vizagapatam taking the major part of the despatch. The ore is exported out of India but lately the exports have been affected by competition from Russia. Iron is found in the Raipur and Jubbulpore districts. The smelting of iron and the production of workable metal from the crude ore are carried on in some parts of the Central Provinces as a sort of home industry. In the neighbourhood of every well-known mine there can be found families of smelters. Coal is obtained in the vicinity of Warora. The output of coal during 1936 in C P was 15 million tons, of which Pench Valley was responsible for 1½ million tons. Copper ore also occurs in the province, but is only spasmodically worked. Bauxite is found in the Balaghat district in the vicinity of Katni and the Mandla District. The ore contains a very high percentage of aluminium.

Industries—The principal industries of the province centre round cotton production. Among other industries may be mentioned lime and cement factories, rice mills, oil presses, glass factories, and saw mills. Coarse textiles, brasswares, etc., are turned out on a cottage industry basis. Cloth is woven in three qualities—coarse, medium and fine. Other notable industries are silk bordered, gold, and silver lace weaving, tasar industry, pottery, brick and tile making and leather industry, oil milling, wool industry, dyeing and calico printing, blankets, sheep rearing, brass and copperware, tasar and mulberry silk production, mat and baskets, hosiery, cotton rope and tape making, toy, and smithy and carpentry.

Among modern industries special mention should be made of cotton ginning, manufacture of cotton goods, etc. Cement industry is progressing rapidly and there are a number of cement factories at Mekgaon, Katni, Kymore and Jubbulpore. Lime and pottery industries are in a flourishing condition. A small pottery factory has been established at Nagpur. There are three match factories and two glass factories. Other industries include ice and aerated factories, oil mills, saw mills, mining, breweries, flour mills, rice mills, paint, etc. During 1936-37 216,169 bales of cotton were pressed in the Central Provinces and 680,222 bales in Berar.

Factories:—During 1936 there were 1,033 registered factories (167 perennial and 866 seasonal), as compared with 1,017 in 1935. Of the 1,033 factories, 718 (156 perennial and 562 seasonal) were actually working during the year. The average daily number of workers

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products are brought here from MELGHAT for sale in the weekly markets

The crops grown are jowar, kodan, mal, rice and wheat (MELGHAT). Cotton, oil seeds and pulses are also grown to a small extent. The forest products include boswellia, tea, adina, etc. Cotton and silk fabrics are woven and dyed at ANJANGAON (population 11,597) and carpets are woven at ELLICHPUR. The largest industry however is the preparation of cotton for the market and there are several ginning and pressing factories.

The chief imports of ELLICHPUR are grain and pulse, salt, sugar, etc. The main exports are cotton, grains, pulses, oil seeds and forest products. These articles are first sent to Amraoti or Badnera whence they are despatched by rail to Bombay.

DARYAPUR having connection with Mutizapur is another trade centre of the district. The district contains a network of good roads

BALAGHAT DISTRICT.

The area of the Balaghat district is 3,561 sq miles. Its population is 561,602. The population of Balaghat town is 9,605. The dialects spoken are Powari, Lodhi (mixture of Marathi and eastern Hindi), Gondi, Maiahi and Hindi. The district is well watered and though there are numerous varieties of Indian fruits these are insufficient to meet the local demands. Vegetables are scanty. The climate is generally damp and malarious. Gastritis is common due to the presence of mica in the water. The average rainfall is about 62 inches. Soils are rich in the plains and alluvial on the Sone banks.

Crops grown are rice, kodan, kutki, wheat, urid, linseed and tur, rice covering about two-thirds of the net cropped area. The agricultural area is generally protected by the Government and private irrigation works. Castor and tobacco crops are grown on the Sone banks. The area of each of the important crops grown in the district in acres are — Rice 436,769, wheat 35,565, gram 24,323, lakh 70,339, Kodan-kutki 25,568, til 1,025, Urad 65,185, jwar 913, Juari-arhai 6,705, sugarcane 2,830, mustard 4,039, linseed 78,334, and peas 1,570. The total cropped area during the year 1936-37 was 786,906 acres, the double cropped area being 219,994 acres.

There is hardly any industry worth the name, but weaving of coarse cloth at WARASEONI and LALBARRA still continues and that of newar (tape) at KIRANPUR.

The trade centres are at WARASEONI, LALBARRA, KATANGI, BALAGAT, LANJI, LAMTA, BAIHAR, MOHGAON, and DAMOH only. BALAGHAT, WARASEONI and KATANGI have extra-district importance. There are no agricultural, industrial, and cattle fairs held in the district but weekly cattle markets are held at 10 places.

The district is one of the chief centres for the supply of Manganese ore. Some of the largest mines are owned by the C. P. Manganese Ore Company which is constructing a ropeway about 14 miles in length to bring down the ore from the mines on the Baihar plateau to the railway at Balaghat. Lac which was once a profitable source of income from village forests is now neglected due to the low prices now prevailing.

The chief articles of exports are rice, pulses, urad, tobacco, teak and sal sleepers, bamboos, hides, horns, myrobalans, lac, gum etc. etc. Tendu leaves for making bidis are collected in many of the villages. The imports are salt, gur, sugar, jwar, wheat, gram, arhai, brassvessels etc. etc.

BALAGHAT CITY (9,605) has a certain amount of trade

Pyrotechnic matches and Their Preparation are dealt in Safety Matches and Their Manufacture. Industry Book Dept., Calcutta. Price Rs. 2/8.

AMRAOTI DISTRICT.

The plain of the AMRAOTI district (area, 4,704 sq. miles, population, 941,975) is usually 800 ft above sea level. Rainfall averages 30" annually. Climate is hot but nights are generally cold. Soil is black loam which is very fertile. Chief crops are jowar (staple), wheat, gram, pulses, groundnut and cotton.

The silk industry at KOLHAPUR has considerably dwindled. Cloth weaving and yarn making are carried on at BADNERA. Preparation of cotton for ginning and pressing factories is the chief industry of the district. Khadder and carpets of ELLICHPUR have a good reputation in the market. And DHAMANGAON is a most important cotton and grain market.

The district exports raw cotton, oil seeds, grains and pulses to Bombay and Calcutta. Imports are grains and pulses from U. P., coal and coke from Bengal and C. P., salt and sugar from Bombay.

AMRAOTI.—Amraoti, the headquarters, has a population of 46,832. The cantonment of the same name contains 10,268 men. The commercial importance of the town is of recent growth. It is now the principal cotton mart in Berar, and is connected with the Nagpur branch of the G. I. P. Ry. Cotton is by far the most important item of commerce. Indeed, Amraoti's only claim to fame once lay in the cotton market where the name of Oomras (or Oomra-wuttes—Amraotis), referred in uncouth and archaic form, is well-known.

Formerly the greater part of the cotton of Berar was taken on bullocks to Muzapur and thence conveyed in boats to Calcutta. Now however the greater part goes to Bombay. It may be mentioned in this connection that the export trade in cotton from Amraoti could not be in a flourishing condition unless specially favourable railway freightage rates were granted. This enables Berar cotton to compete favourably in the Bombay market.

Arts and manufactures of Amraoti are unimportant, the principal industry being the preparation of cotton for the market. Indeed the ginning and pressing of cotton claim the first rank in the industries of the district. Besides the cotton gins and presses there are oil presses, linseed oil being most commonly produced. The most important cottage industries are the same as those practised in factories, namely the clearing of cotton, the making of seed oils of various kinds, and weaving. Hand-weaving is done in cotton, silk and wool or in combination.

As noted above raw cotton is the chief export, and is sent by rail to Bombay and Calcutta, the only other exports worthy of mention being oil seeds, grain and pulses. Raw cotton includes of course ginned and pressed cotton and covers 75 per cent of the total value of exports.

The list of imports chiefly comprises articles of food and clothing, the chief items being grains and pulses, coal and coke, salt and sugar.

Oil seeds, grains and pulses are exported to Bombay and the Central Provinces. Grains and pulses are imported chiefly from the United Provinces and the Central Provinces, coal and coke from Central Provinces and Bengal, salt from Bombay, sugar, chiefly from Bombay but also from Bengal and the United Provinces.

The Nagpur Branch of the G. I. P. Ry is the chief means of communication. The town of Amraoti is connected with Badnera Junction by a State Railway six miles long.

ELLICHPUR (population 28,592).—The trade in cotton is considerable. The main exports are cotton, grains, pulses, oil seeds and forest

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nese ores are also exported. The imports consist of piecegoods (from Bombay and Nagpur), kerosene oil, salt, sugar, gur (from U. P. or Bombay), jowar and arhar.

The chief centres of trade are GONDIA (14,957), TUMSAR (10,061), TIJORA, AMGAON and PAUNI (12,525).

BHANDARA (population 16,738) is an important station on the B. N. Rly. The town has a population of about 16,000 and is famous for brass making.

BILASPUR DISTRICT.

The BILASPUR district (area, 7,618 sq. miles, population, 1,386,915, languages, Hindi, Oriya, and Chhatisgarhia, an Eastern Hindi dialect) contains rugged peaks and dense forests with elevated plateaus along the north of the district, to the south there is an undulating plain, composed mainly of shales and limestones. The climate is fair and equidemics are common. Leprosy is prevalent here. The average annual rainfall is about 52". Kanhar, or black cotton soil prevails here, brown and yellow clays are also common.

The chief crops are rice, kodun, wheat, linseed and pulses. Acreage under crops in 1936-37 —Sesamum 175,249, rape and mustard 12,367, castor 12,040, barley 28,38, condiments and spices 7,562; fruits and vegetables 19,717.

The tassar silk of Bilaspur is best in C.P, cotton cloths with borders of tassar are also woven. Tassar goods are produced at CHAMPA, BAMHIDIH, and CHANDRAPUR. Bell-metal vessels are made at RATNAPUR and CHAMPA. Catechu is prepared and the people themselves dye their own clothes. Lac industry flourishes at CHAMPA, KOTA and PENDRA. Beedies are made at CHAMPA and BILASPUR. Iron ore, clay and lime stone are met with. There is a limestone quarry at AKALTARA.

The chief exports are rice to Bombay and Berar and Northern India. Wheat, til, linseed and mustard are also exported. Sal and bijasal (sleepers) are sent to Calcutta, lac is sent to Mirzapur. Other exports are logs, sesamum, poles, hides in the district, most important of which are those at BAMUDIHI, BILASPUR, GAINARI, BALODA, TAKHATPUR and CHAMPA. Gram and ghee are imported from northern districts, salt from Ganjam, and tobacco from Bengal and Madras for local consumption. Piecegoods, sugar, salt, etc. are also imported.

BILASPUR, the headquarter town, has a population of 25,735 and is rapidly increasing in importance. It is a station on the B. N. Rly., 776 miles from Bombay and 445 miles from Calcutta. The town stands 3 miles off from the Station but conveyances are always available. It is the headquarters of the cooly recruiting Agency for Assam in C. P. The weaving of tassar silk and cotton cloth are the only industries of the town.

AKALTARA are the other collecting centres in the district.

There are 18 rice mills in the district, 5 at BARADUAR, 4 at NAILA, 1 at JANJIR, 4 at AKALTARA, 1 at BANAPEL, 1 at FAGURAM and 2 at CHAMPA. There 3 oil mills, 1 at BARADUAR, 1 at NAILA and 1 at CHAMPA.

Annual fairs are held at KADAMAL, PITTAPURAM and Shesrinaram where there is good sale of grains and domestic utensils of bronze and brass.

Cattle markets are held at BAMHIDIH and KOTMI. These markets are big and cattle from distant parts of the province are brought for sale. While the former is about 11 miles from CHAMPA.

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BETUL DISTRICT.

The Betul district (area 3,910 sq miles; population 406,252; languages, Marathi, Hindi, Gond and Korku) occupies the entire width between the valley of the Narbada and the plains of Berar, the whole district being practically situated on the plateau with a mean elevation of about 2,000 ft. The climate however is cool and healthy but malaria is prevalent during autumn. The average annual rainfall is about 46". Black Soil of good quality is scarcely found here and friable loam is the best soil of the district which is either black or brown in colour.

The crops grown here are kodan and kutki, wheat, jowar, oil seeds, til and jagni and the labouring classes have small gardens generally, where they grow vegetables. Area under crops in 1933-37 are rice 32,222 acres, wheat 159,099, acres, jawar 180,106 acres, gram 64,295 acres, sesamum 24,693 acres, maize 19,496 acres, pulses 242,847 acres, groundnut 7,933 acres, condiments 3,353 acres, sugarcane 4,039 acres, cotton 19,646 acres, other crops 26,223 acres, total 783,952 acres.

Coarse cotton cloth of inferior quality is woven brasswares are made at AMLA, RAMLI, JAWAL KHEIDA but brass vessels are imported from Hosangabad and Chindwara.

The principal grains exported are wheat and oil seeds, gram, turia, and cotton. Jowar is imported from Berar. Gur is exported to Berar and Narbada Valley. The exports of forest products are timber, mohua, myrobalan, chirani, and gulli (the oil of mohua oil seeds). Tikhari oil, gum and lac are also exported. Timber is available. The imports are thread (from Nagpur), cotton piecegoods, kerosene oil, hardware, gold and silver, salt, groceries and spices, Betel leaves and turmeric come from Berar. Purchase and collection of grains are done by teli who carry them on bullock carts. There are numerous weekly markets here, where retail transaction takes place.

Fairs:—A religious fair is held annually at Multai, Bhopal and Malajpur near Chichoh, where household articles and furniture are made. A weekly cattle market is held at the Betul-Bazar which has a population of 5,378 and is practically an isolated tract.

BHANDARA DISTRICT.

The surface of the BHANDARA district (area, 3,623 sq miles; population, 324,371, languages, Marathi and Hindi) is slightly cooler than Nagpur and malaria is prevalent during autumn. The annual rainfall averages about 55".

The main variety of soil is called morand, which is black and is mixed with sand, the black soil is alluvial, yellow sandy soil is also seen here. There is a considerable tract of fallow land.

Chief crops grown are rice, wheat, jowar, linseed. Area under cultivation Rice 1,172,000; wheat 89,000, maize 20,000, gram 37,000, pulses 647,000, linseed 117,000. Ginger, oranges and plantain are grown in the villages of JAM and ANDHARGAON and are sent to Nagpur. Manganese ores are worked near TUMSAR. Building stones and road metal are also found in the district.

Weaving of silk bordered cloth is carried on at BHANDARA (PAUNI, MOHARI and ANDHARGAON). Fine cloths made at PAUNI are famous and compete in markets. Silk comes from Nagpur and Assam. Brass and brass vessels are made at BHANDARA, stone jars at KANERI and cart wheels at TUMSAR. Soft grass matting, bamboo basket and matting are also made.

Rice is sent to Bombay, Nagpur and Berar, wheat, gram, pulses and urid and oil seeds are also exported which are taken by cart from PAUNI to Nagpur. Teak and beaula-timber and bamboos, mohua, myrobalans, hides and wax are exported in large quantities. Mangan-

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9 ginning factories, 1 saw mill, 1 Match factory and 6 oil mills in this district.

The exports are by rail and include all seeds, timber, hides, horns, cotton and pulses, linseed, til, castor and mustard. Rice is carried by carts. Other exports are cotton, teak and wood in increasing quantity from ALLAPALLI, Bamboos, gum, myrobalans, lac, grass, charcoal and Mohuwa flower (to Wardha and Berar). The imports are salt, sugar, thread, piece-goods, metals and kerosene oil. It is served by the Wardha-Chanda extension of the G. I. P. Railway.

CHANDA TOWN (population 28,138). It is the biggest town in the district.

WARORA TOWN (population 9,811). It is the station where bulk of the products from Yeotmal district in Berar reaches the railway.

Last of Annual fairs all religious in Character follows — Ghodajatra, Chimmui, February, Mahasheoratri, Markanda, March, Mahakali, Chanda, April, Garmukh, Maich, Mahasheoratri, Nagbhu, March, Tapad, May; Wadha, November, Mahasheoratri, Kalmana, Maich, Kultha, Maich, Naleshwar, Maich.

Weekly cattle markets are held, at Chanda, Rajgarh, Madheri, Jambulgata, Waiora, Gangalwadi, Nawargaon, Sindewahi, Kurkheda, Armoii, Gaichirah.

CHINDWARA DISTRICT.

The CHINDWARA DISTRICT (area 7,935 sq miles; population 967,004, languages, Hindi, Godi, Marathi, Urdu) has three steps or elevations ascending from the south and is mostly hilly and is covered by the Deccan trap. Here are extensive forests and many fruit and timber trees. They are teak, saji (important timber), salt, tinsa, bijasal, shisam and landia, besides mohua, tendu (ebony), achar, mango and tamarind. The climate is cool and healthy and pleasant and the annual rainfall is about 43". The annual rainfall for Seoni averages 42".

Soil varies from deep black loam to thin red or yellow. One-fourth of the area is fallow. The principal crops are jowar (327,329 acres), wheat (366,310 acres), ahar, kodan, kutki, til, oats and sugarcane. Pulses are grown on 105,837 acres, gram 124,949 acres, maize 36,984 acres, sesamum 174,133 acres, and cotton 81,547 acres.

Teak and saji and bamboos are plentiful. Iron is found in KURAI range, gold washings (of PACHDHAR and BAWANTHARI rivers), chalk, hardstone, etc., are also found (CHHAPRA). Coarse cotton weaving (at SEONI, BARGHAT and CHHAPRA), tassar silk dyeing, making of glass bangle, lac bangle, earthen vessels, iron implements, skin tanning and leather working are the industries. There are colonies of cotton weavers in every town in the district as also in several large villages. Industries in tassar silk, sunn-hemp, ropes of glass and brass work exist at CHINDWARA. Grain and ghee trade is considerable, specially in SEONI. The trade centre for timber is KAURAI and BHIMALGHONDI. Important weekly markets are held at BHAIROGANJ, BARGHAT and GANGERUA and CHAMARI, KHAIRNARA, MEHTA, GHANSORE, PALARI, CHICHOLI and CHAURAI are markets of some importance. CHANDAMETA, JAMAI and GHODAWADI are big weekly markets in the mining area for facilities of colliery workers. GOPALGANJ, KANIWARA and KOLARI are the other marts. The largest market is at RAMKONA where about 3,000 carts are collected on a bazar day, LODHI KHEDA, PANDEURNA and SANSAR (5,919) are the other markets. PALATWADA, MORDONGRI and MOHKHER are also markets of some importance.

The principal exports are wheat, cotton, oil seeds, rice, sunn-hemp, gu (to Berar), potatoes and ginger (to Nagpur). Timber, minor forest

Gatechu Making is quite paying. Read MANUFACTURE OF GATECHU Price Re. 1/8. INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

and 3 miles from Paraghat Railway Station (B. N. Ry.), the latter is 6 miles from AKALTARA

BULDANA DISTRICT.

The BULDANA district has an area of 3,734 sq miles with a population of 767,113. The only lake in Bejar (Lake Lonar) is situated on the south of Mehkar taluk. The climate is intensely hot and dry during summer and equally cold during winter. Annual rain fall averages about 45". The rich land of the plateau is very suitable for the cultivation of rabi crops (wheat).

The staple food grain is jowar, cotton is the most profitable crop and is widely cultivated, wheat, bajra, gram, and oil seeds (115,000 acres), are also grown. Groundnut is grown over 64,000 acres. The principal trees are salai, lendia, bel, khali, char and teak.

Cotton cloth and blankets which have a large local sale are woven but the principal industry is the preparation of cotton for the market and there are several ginning factories and cotton presses.

The principal exports are raw cotton, oil seeds, grains and pulses and the main imports are grains, pulses, coal, coke, sugar and salt. The main trade is with Bombay. The important centres of local trade are the little Pargana villages where weekly markets are held. G. I. P. Ry., and the Godavari Valley Railway take part in carrying goods.

The headquarter town of BULDANA contains a population of 7,504 and is not important industrially or commercially. It is 28 miles from Mulkapuri Station on the G. I. P. Ry. KILANGAON (population 23,462) a station on the G. I. P. Ry., 341 miles from Bombay, is a big cotton market in the district. Cattle are sold here. JALGAON has a population of 10,463 and is a cattle mart. Other markets are SHEGAON (14,669) and NANDURA (11,212), MALKAPUR (17,565) and CHIKHLI (7,041).

CHANDA DISTRICT.

The CHANDA district (area 9,217 sq miles population 759,695, languages—Marathi, Telugu, Gondi, Hindi, Urdu, Marwari, Madia, Gujarathi and Koshti) is hilly and excepting the open portion, it is thickly wooded. The forest products are teak (plentiful), Sal, Bija sal, Roha, Kodan, haldi, semul, Mahuva, Dhuaia, Tendu, gairi and palas. The climate is warm but healthy and the annual rainfall averages about 62".

Black soil is found adjoining the Wardha river and in the Doab between the Wardha and the Erai. On the bank of the Wainganga, alluvial belt of black soil is met with at places but stony and sandy soil covers a large area. The crops grown are wheat (66,993 acres), jowar (250,270 acres), linseed (74,240 acres); pulses (109,889 acres), rice (326,684 acres) in the Central and Eastern parts, cotton (97,713 acres) and gram (17,892 acres). Sesamum (42,684 acres) is also grown and condiments and spices are grown over (12,656 acres).

There are 5 coal mines. One at BALLARPUR, one at GHUGUS, 2 at CHANDA (The Mahakali coal mine and the Hindustan Lalpeth Colliery) and one at MAJRI. There are also white and yellow ochre mines. White clay is used in manufacturing potteries. Iron is found in many places but it is at present worked by country methods in small quantities at 2 places in PALASGARH and GEWARDHA Zamindaris. Building stones are found in stone quarries at many places. Tasar silk worm is propagated. Silk cloth for daily use is manufactured at several places. Weaving of cotton cloth with silk border is done on a large scale at CHANDA, CHIAUR, NAWARGAON, ARMORI and NERI. Brass and copper vessels are made at CHANDA and NERI. Good lacquered ware is made at POMBHURNA. There are 5 cotton presses.

Catechu Making is quite paying. Read MANUFACTURE OF CATECHU. Price Re. 1/8. INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

(considerably exported), honey (from Pachmarhi), building stone and brass vessels (from Handia), and mohua (to Khandwa). The imports are salt (from Sambar and Ahmedabad), sugar (from Mirzapur), gur (from Betul and Berar), tobacco (from Muzaffarpur), rice (from Chhatisgarh). The chief weekly markets are at ITARSI (population 11,787), BABAI, HANDIA, SOBHAPUR, and BANKHERI.

HARDA (16,031) 48 miles from Itarsi Junction on the G. I. P. Rly, is a market for grain and cotton. **SOHAGPUR**, a station on the Itarsi-Jubbulpore branch (G. I. P.), is a good market for jungle produce and has a sericulture house. The timber market is at RAHATGAON. The traffic is rail and road borne.

HOSANGABAD Town (population 12,372) is situated in a picturesque position on the Nerbada. Brass utensil and bamboo walking-sticks are made. Excellent building stones are available from a quarry in the vicinity of the town.

NARSINGHPUR (pop. 11,007)—Nearly the whole of it lies south of the Nerbada and the greater part of the tahsil is situated between the Nerbada and the Satpura. The valley is covered by a deep layer of alluvial soil which is famous for its fertility. The chief crops grown here are wheat, gram, til, rice, jowar, cotton, kodan, linseed, etc. There is a coal mine at Mohpani.

GADARWARA (population 9,077) is an important centre of hand-weaving and dyeing. **CHICHLI** has an industry of brassware. There is also a gunning factory at GADARWARA.

The chief exports are wheat, oil seeds, gram, ghee (to Calcutta), hides and bones (to Bombay). The imports are rice, sugar, kerosene oil, cotton cloth and gur. Fairs are held at BARMHAN, BAREHTA and SANKAL.

G. I. P. Rly. (Jubbulpore line) traverses the district and carries considerable traffic. It has numerous good roads (Bombay-Jubbulpore Road).

JUBBULPORE DISTRICT.

The JUBBULPORE district (area 3,918 sq. miles, population 756,346, languages, Hindi and Urdu) is chiefly a hilly tract intercepted by good fertile valleys and river banks. The district is wooded with mango, ber, tamarind, guava, mohua and other fruit-bearing trees. The timbers of the forests are teak, saij, haldu, tendu, or ebony and bamboos. Peaches, pineapples, excellent potatoes and vegetables are also grown.

The climate is pleasant and salubrious and the average annual rainfall is about 60". The best soil of the district is black alluvial clay or loam of the Upper Nerbada Valley. Sandy soil is also met with. Special feature of the district is grass cropping on more than 1,000 sq. miles.

The crops are wheat, rice, gram, sesamum, jowar, oil seeds etc. Betel vine gardens also exist in a number of places near JUBBULPORE CITY and BILHERI. Fruits and vegetables have a good local demand.

Iron ores occur and are worked to a small extent at JOHLI and SIHONA. Manganese ores occur at GOSALPUR, SIHORA, KHITOLA. Copper ores also exist and the limestone deposits at MURWARA are worked. Bauxite and red ochre are available. Cotton weaving is carried on at GARHA and MAGHOLI (coloured saris). Cement factories have been started at KATNI, KYMORE, MEKGAON, and JUBBULPORE. Glass, lime and potteries are made in the district. Fire bricks are also being manufactured. The dyeing centres using vegetable dyes are INDRANA and RAMKHIRA. Brass and copper vessels are made at JUBBULPORE and PANAGAR. KATANGI produces

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products, hides, horns and manganese ores are the other articles of trade. Imports are salt (from Gujrat), sugar, piecegoods, brass and other metals, turmeric, catechu, betel leaves, etc. JAMAI, PARASIA and HIRDAGARH are big coal centres and coal is exported in large quantities from these centres.

SEONI town has a population of 15,382 and is the chief commercial town on the Satpura plateau.

GHINDWARA (population 17,080) :—Bastard date-palms are found in the vicinity, from which the town takes its name. It is the centre of local trade; pottery and cotton hand-weaving are the industries. Tassar silk is also woven.

Fairs:—The famous annual fairs are held at RAMAKONA and PANDHURNA on the 6th day after Holi and the second day after Pola festival respectively. The former lasts for 3 days and the latter for a day. 10000 to 15000 people assemble at these places.

Kalrat on Kulbehra river and Mahadeo on the border of Chhindwara and Hoshangabad are religious fairs which are held on Rakshabandhan and Sheoratri festivals respectively. Mundara and Kothghat religious fairs in the Seoni sub-division, which are held in Kartik for 15 days each, are also of some importance.

At Mouza Borgeon a cart (chhakra) race is arranged by local malguzars every year in the month of January and 1000 to 1500 pairs of bullocks are brought for competition.

DRUG DISTRICT.

DRUG (area 3,807 sq. miles; population 813,082) consists of a long strip of land running from north to south. The climate is exceptionally hot and the average annual rainfall is about 48". Large portions of the district consist of rich black soil while the remainder is yellow clay or gravel. Iron ore is available. Fruits and vegetables were grown over 16,000 acres during 1936-37. The principal crops are rice 1,776,115 acres), wheat (72,080 acres), gram (36,432 acres), linseed (198,135 acres), total oil seeds (210,347 acres), condiments and spices (134,92 acres), and pulses (557,200 acres). The district is served by railways and has a network of roads.

DRUG TOWN (population 13,172) :—The bell-metal industry is famous. Cotton cloth is woven here for local use. The town has a good trade in betel-leaves. It is situated on the main line of the B. N. Rly., and contains the ruins of the mud fort which is of great antiquity.

HOSANGABAD DISTRICT.

The HOSANGABAD district (area 4,922 sq. miles; population 806,632; language, Hindi) is situated mainly on the long narrow strip of the Narbada Valley. The important forest products constitute teak, sak and dhaura. The climate is generally healthy and the rainfall is about 50" on the average. Hail and thunderstorms are common in the latter part of the summer months. The prevailing soil is rich, black alluvial loam but sandy soil is also seen.

The chief crops grown are wheat, grains and pulses, gram, sesamum, kodan and kutki. The betel vines of SOHAGPUR (population 8,341) have good reputation. Cattle are imported here from the Indian States. Cloth weaving by handlooms is practised at SOHAGPUR and NAHARKOLA for local use. There is tassar silk weaving and dyeing industry at SOHAGPUR. Nut-crackers (ornamental) and bamboo walking-sticks are made and exported from HOSANGABAD town. There are also cotton ginning and pressing factories.

The chief exports are wheat, til, linseed and cotton, teak and other timbers, myrobalans (Rajabaori and Bori teak are best in C. P.), ghee

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traversed by low hills and ranges, generally spurs from the Satpura hills. In the forests on the Satpura hills grow sal, archra, tendu (on heavy soils) and satin wood. Mango, mohua, tamarind and date-palms are common in the open country. Nagpur is one of the hottest places in summer but the climate is not unpleasant. Annual rainfall averages 46", less in the west than in the east.

The prevailing soil of Nagpur is black cotton, and the principal crops grown is jowar, others are wheat, pulses and linseed. Cotton cultivation (302,000 acres) is gradually increasing. Condiments and spices are grown over 10,500 acres. The cattle are imported as there is scarcely any grazing ground. Deposits of manganese occur in several localities (in Ramtek Tahsil).

Weaving of cotton cloth is the home industry at NAGPUR and UMRER, gold and silver thread of BURHANPUR are famous. Silk comes from Bengal and China and tassai from Chhattisgarh. There are several cotton weaving and spinning mills. A small pottery factory has been recently established.

The chief exports are raw cotton, cotton seed, linseed, til and wheat, oranges, wild plum and betel-leaf. Yarn and cotton cloth are made. Many articles are also received at Nagpur and re-exported. The imports to Nagpur district are rice, timber and bamboos (Chanda, Seoni etc.), cotton and grain, sea-salt, sugar, gur, kerosene oil, woollen and non goods.

KAMPTEE (population 20,787) is the largest weekly market. Sunday and Wednesday bazars held at NAGPUR are also important. Other leading markets are GAORI and KELOD (for grain and timber), MORWAR (grain). A large fair is held at RAMTEK (population 8,934) in November and religious fairs are held at AMBHORA, KONDHALI, ADASA and DHAPREWADA.

NAGPUR (population 215,615) —Nagpur is the capital town of the Central Provinces and Berar and the leading industrial and commercial town in Central India. Its trade is chiefly confined with Bombay. It is situated at the junction of two important railways, namely, the Great Indian Peninsula and the Bengal Nagpur Railways.

Nagpur is divided naturally into two parts, the city proper lying east and south of Sitabaldi fort and the railway station, while the civil station lies to the west and north of these. The importance of the place will be realised when it is said that within the last decade or two it has grown to be the leading industrial and commercial town in the centre of India. It owes this influential position chiefly to its cotton trade.

For more than a century the Nagpur district has been noted in India for its orange gardens and for the cotton and silk fabrics woven by its large Koshli population of hand-loom weavers. In fact, in spite of the machine competition a considerable number of spinners, weavers, and dyers is engaged in their manual professions.

There are a number of cotton spinning and weaving mills. In recent years the mining of manganese in the neighbouring tracts has added to the trade of Nagpur. The bulk of the general trade has also greatly increased lately. There are also two small glass factories.

The chief items of commerce relate to timber and fire woods, kerosene oil, imported piecegoods, leather goods, food-stuff, tobacco, aerated waters and ice. The trade in wood is specially heavy. The import of building timber is large and it is accompanied by great activity in brick-making owing to the constant demand for house building. There are now numerous oil mills near the railway station. Passing mention may be made of printing presses, ice factory, etc. A number of cotton

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glass vessels. There are spinning mills and gins and presses besides the gun carriage factory. Wire-netting, thick bedding cloth, weaving of cloth for pillows and mattress cases, net money bags, and Scotch and Kidderminster carpets are some of the jail industries of the district and they find a ready market. Bidi industry is now well established. But Jubbulpore is still mainly an agricultural district.

The principal exports are wheat and oil seeds, hemp (to Calcutta and Bombay), ghee and forest products are sent from Jubbulpore in large quantities (to Seoni and Mandla). Hides, horns and dried beef are largely exported. The chief imports are salt (from Sambhar), sugar, gur, kerosene oil, vegetable oils, cotton, cloth, dyes, glass bangles, etc. Weekly markets are held at PANAGAR, BARELA, SHAHPURA, PATAN, BILHERI, KATANGI, SILONDI, UMARIA.

KATNI is an important trade centre for ghee, wheat, bronze utensils, Indian shoes, and old stone. It is a junction-station for the E I R, G I P, and the B. N. R. lines and contains a large Sarai for the Hindus.

SINHORA Road, on the railway line from Jubbulpore to Katni, lies at a distance of 24 miles from Jubbulpore. It has a population of over 6,000. It is a municipality but levies no terminal taxes.

JUBBULPORE (population 97,468) the chief town and administrative headquarters, lies on the junction of G I P and E I Rly. lines. It is 616 miles from Bombay and 784 miles from Calcutta. The Omti, a small river, separates the civil station and cantonment from the town. It is a municipality.

Religious fairs are held at different sacred places on the Narbada. BHORAGHAT and KUMBHI are important.

MANDLA DISTRICT.

The MANDLA district (area, 5,117 square miles, population 455,766, languages Hindi and Gond) is mostly hilly and undulating with a good many fertile valleys in it. The climate of the district is generally cool and malarious and the average rainfall is about 62".

Soils are either trap covered by less than a span of earth and sprinkled with small red stones (locally called Barra) or in low lying places pockets of the decomposed trap known as black cotton soil generally of great depth and fertility. The chief crops are—Wheat 125,119 acres, rice 174,173 acres, gram 65,943 acres, rape and mustard 27,474 acres, kodon and kutki 259,734 acres, pulses 339,947 acres, sugarcane 631 acres, maize 27,223 acres. Total area under cultivation in 1936-37 is 870,768 acres. Cultivation depends purely on natural rainfall.

Bell-metal vessel and lac bangles are made.

The chief exports are wheat, rice, oilseeds, sunn-hemp, ghee, lac, gum and haria. There is sufficient pasture ground available throughout the district.

The imports are salt, sugar, kerosene oil, pulses (arhar), spices, vessels of brass and glass and silk and cotton cloth. The chief trade centre are PINDRAI, NAINPUR, BAMBHI and internal trade is carried on in weekly village markets by carts and pack ponies and bullocks. MANDLA (population 6,267) is also a centre of trade. B. N. Ry. passes through the district.

A fair is held at HIRDENAGAR in the month of Falgun for a month which is also a chief cattle market.

NAGPUR DISTRICT.

The greater part of the NAGPUR district (area 3,843 sq miles; population 938,108, language, Marathi) is an undulating plain and is

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has the Tapti valley in the south and the Narbada valley in the north. The climate is healthy and the average rainfall is about 32".

Chief crops during 1936-37 are.—rice (30,000 acres), jowar (2,60,000 acres), cotton (3,41,222 acres), kodan (12,000 acres), til (22,000 acres), wheat (61,000 acres), linseed (1,800 acres), other food crops (1,40,542 acres), other non-food crops (87,400 acres)

Soil is partly alluvial and is rich black along the banks of the rivers. The chief crops grown are cotton, jowar, pulses, wheat, ganja, betel vine, pomegranates (at NIMAR). Working and transport of raw cotton is the chief industry, besides, there are coarse cotton weaving and ginning and pressing factories at KHANDWA, LALBAGH, BURHANPUR, NIMARKANDI, JAHAR and PANDHANA. Oil mill and timber factory and iron foundry are situated at KHANDWA. Timber is also sold at SULGAON, and HARSUD

The chief exports are raw cotton, seed, til, jowar, sunn-hemp, timber, bamboos, flowers (mohua flowers), and groundnuts. The imports are salt, gur, tobacco, kerosene oil, building and paving stones, etc., etc.

KHANDWA, the Sadai Station, is situated on the G. I. P. Rly., 1,256 miles from Calcutta. It stands 1,007 ft above sea-level with a population of 34,662. It is a very ancient place and was once a famous seat of Jain worship. A Jain temple has been recently erected at a cost of Rs 75,000. The town is remarkable by an absence of trees.

BURHANPUR (population 44,666) is a great commercial centre for grain and cotton and manufactures and exports silk bordered dhoties to the value of thousands of rupees. The town, which is walled, stands on the bank of the Tapti and is 4 miles from the station of the G. I. P. Rly. Conveyances are available. It is 617 miles from Delhi and 45 miles from Nimar. It contains some historical relics and buildings.

G. I. P. and Rajputana-Malwa Ryys. cross the district which is also provided with good roads.

List of Fairs.

KHANDWA TAHSIL.—Nahalmadi, Sangmeshwar Fair in honour of Lord Shanker, March, Kapuria, December, Borkheda, Data Sahab Mela, Maich, Ambapat, March, Mandhata in honour of God Onkareshwar, Mahaseshwaira (Nov) and Tripuri, Purnima (March), 1 and 3 days, respectively, Cattle, Ramai, April, Pabasi, April.

BURHANPUR TAHSIL.—Sukta, April, 3 days, Shahapur, November, day following Dewali, Ichhapur, April, Lokhandia, April, Dhai, December.

HARSUD TAHSIL.—Singajee, middle of October, 10 days, Cattle fair, Malgaon, December, 10 days, Cattle fair.

MUNDI.—Both weekly market and cattle market are held every Thursday. Timber is offered for sale in these markets.

RAIPUR DISTRICT.

A narrow strip of the Satpura range enters the RAIPUR district (area 11,885 sq miles, population 1,526,803, language, Chhattisgarhia) and opens near Nandgaon and Khaigarh States. Teak occurs here, sal, kaila, bijasal, babul, mohua and grass are also abundant. Heat is great during summer and the climate is not good. The average annual rainfall is 55".

Rich black soil is found around DHANDA and DERBIJA and the banks of the rivers. The chief crops are rice, pulses, linseed, kodan, urid, mung, math, gram, sesamum, of which linseed is the most important in the province. Fruits and vegetables are grown over 20,000

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mills have been started in the town and finished goods, e.g., dhotis, saris, etc. are transported to Bengal and other places.

The chief imports to the place from the interior by carts and from the adjoining districts by rail are rice, paddy, lac, honey, cotton, myrobalans, dhuna, hill sticks, orange, wax, etc. These articles and oranges in large quantities are exported to Calcutta, Bombay, Madras and the up-country towns. The surrounding country produces enormous quantities of oil seeds. Timber is available in the jungles and constitutes an important business of Nagpur. The districts, not far from Nagpur, produce good cotton which is exported to be consumed by the local mills for spinning and weaving cotton. Railway sleepers are made from the C. P. timbers. Sesamum seed, mohua and its seeds, black sesamum and ganja are exported in large quantities from this place. Goods are generally exported by rail.

KATOL (population 10,900) on the bank of the Jumna, is 36 miles from Nagpur by road, and **SAONER** (7,969) a railway station on the Itanagar-Chhindwara Branch line (B. N. Ry.), is 24 miles from Itanagar. **UMER** (17,913) a station on B. N. Ry., 33 miles from Nagpur, exports silk bordered dhotis.

Other centres of trade are **KHAPA** (8,191) and **MOWAR** (5,206). The district is served by the B. N. Ry. and the G. I. P. Ry. and has many good roads.

List of Religious Fairs.

In **NAGPUR TAHSIL**—Digdon, Chaitra Purnima, 5 days, Koradi, Chaitra Purnima to Wadya, 5th, Vehad, Chaitra Shudha 10, 11 and 12, Degna (pinjari), Chaitra 1 day fag wadya 5, Mahunzai, Chaitra 5 and 9, 2 days, Asaiwada, Sheorati, 1 day, Ridhora, Margashirsha S 14, one day, Chargaon, Maha Sheorati, 2 days, Nand (near Kinkh), Ramnawami, 1 day, Kinkh, Bhadrabad S. 2, 1 day, Sawanga, Fag S 15, 1 day.

In **RAMTEK TAHSIL**—Ghogra near Pench River, Maghwadya 14 and 30, 2 days, Kewola Bhiwasen near Temple, Chaitra Wadya 5 to 30, 10 days, Mansar, Chaitra S 15 to Wadya, 5 days, Kala Patha one mile from Mahuli, Shrivatri, 2 days, Kondhali, Chaitra W 1 to 15, 15 days, Sukali, Chaitra S 9, 1 day, Irshi, Sankranti January Padwa, Ambala, Kartik Purnima.

In **UMRER TAHSIL**—Bela, Margashirsha 15, 1 month, Taina, Sheorati, 10 days, Ambhora, Kartik S 15, 1 day, Dhaparie, Chaitra S 9, 9 days, Ambhoia, Margashirsha S 15, 2 days and Jeshta S 10, one day, Pular 10 miles from Jawali, Chaitra S 9, one day and Kartik S 15, 1 day, Jawalwadi, Chaitra S 15, 1 day, Benela, Kartik S 15, 1 day.

In **KATOL TAHSIL**—Paradsinga, Bi-weekly Thursday and Sunday, Bhushnur, Chaitra, W. 1st Sunday, 1 day, Kachari Saonga, Shrivatri, 2 days, Dodki, 2 days, Khaprai, 2 days, Jalalkhedra, 2 days, Purgondi, 2 days, Kinkh Dhodanear, Kondhali, 2 days, Mendhla, 2 days, Chicholi, Fag S 6, 3 days, Jambhuldhoia, Mahasheorati, 1 day, Agra, Fag W 6, 1 day, Kharsoli, Fag W 12, 1 day.

In **SAONER TAHSIL**—Adasa, Poush W. 4, Heti (Kheda), Chaitra S 15 to W 5, 6 days, Dhapewada, Ashadha, S 11 to 15 Kartik W 2, Nandagamukh, Kartik 15, 1 day, Deo Baidi (Mohpa), Margashirsha S 5, 2 days.

Cattle fairs are—Shulli, Sankrant, January, Bahmani, Sankrant January, Bhojapur, Sankrant, January, 1 day.

NIMAR DISTRICT.

The **NIMAR** district (area 4,227 sq. miles, population 467,490 languages, Hindi and Marathi) is divided by the Satpura ranges and

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Country cloth is woven at DAMOH and the chief centres of the industry are at BANSA, KALAN, DAMOH, HINDORA, SITANGARH and HATTA (sais). Dyeing by indigenous process is also carried on. Household vessels are made at DAMOH and HINDORA. Paper is made by hand at PANCHAMNAGAR.

The particular exports of Damoh are wheat and oil seeds. It sends teak and bamboos to Northern India as also lac. Ghee is largely available and has a good trade with Calcutta. The principal imports are piecegoods (from Bombay), kerosene oil, gur (N India), sugar, tobacco, copper vessels, etc.

Other places of trade are KHURAI (695), DEORI (5,638) and ETAVAH (7,439) and SAHAPUR.

Only one cattle fair is held annually about the months of February and March at Garbakata in Rebh Tahsil of the district.

The district is well served by the G. I. P. Railway.

WARDHA DISTRICT.

The WARDHA district (area 2,428 sq miles population 516,106, languages, Marathi and Hindustani) consists of a long strip of land along the banks of the Wardha range; the outlying spur of the Satpura range runs through the district. Arvi tahsil is a hilly country. MALEGAON, NADGAON and GARAMSUR are the peaks in this district. The climate of the district is generally hot and dry but is quite healthy. Annual average rainfall is 58.52. Leprosy is common here.

Nearly the whole of the district is covered by thin black or dark brown soil and the best black soil is found on a level ground on the left bank of the Wardha range.

The crops raised are cotton (339,000 acres), jowar (373,000 acres), wheat (103,000 acres), linseed (25,000 acres), rice, sugarcane, turmeric, (Hinganghat Tahsil at Waigaon), besides, there are many orange and banana plantations (ARVI). Betel-leaves are found at ASHTI and JALGAON, cotton weaving and dyeing is practised, coarse tape for bedsteads is also made. PARDI is a centre of hemp and HINGANGHAT has spinning and weaving mills. Total area under tillage in 1935-36 was 10,88,000 acres.

The chief exports are cotton, wheat, linseed, cotton seed (to Europe), jowar, arhar (to Calcutta), hides, skins, cloth (from HINGANGHAT and PULGAON) and teak and plantains (from ARVI). The imports are cotton piecegoods (through Calcutta, Bombay and Cawnpore), silk cloth, salt, sugar, potatoes, brass vessels, glass bangles, wheat and rice.

HINGANGHAT is a big town peopled by 22,601 persons. Hides, skins and cloth are exported.

WARDHA TOWN (population 19,571) is the Sadar Station and an important cotton mart and has many ginning and pressing factories. Water supply comes from Dhan Range.

PULGAON (population 7,845), 20 miles from Wardha, is an important market in the district for export of cotton and cotton seed. It has a population of over 7,256 and stands on Nagpur-Bhusawal Branch (G. I. P. Rly.).

ARVI is a tahsil place. It is 22 miles from Pulgaon and 36 miles from Wardha by road and is connected by C. P. Light Railway with Pulgaon. There is a municipality and a big cotton market.

Important cattle markets in the district are Wardha, Deoli and Selu in the Wardha tahsil and Hinganghat and Samudipur in the Hinganghat tahsil.

Another important trade centre is DEOLI (6,209).

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acres There is much difficulty in transporting forest products, though teak, sal and bamboos are abundantly found

Tassar silk is woven as also coarse cotton cloth, ornaments and vessels of bell-metal are made at DRUG, DHAMTA, NAWAPARA and RAIPUR Glass bangles are made at SHINGA, NEORA and KURRA Iron ore is found and smelted Cotton gins and presses exist.

Exports are rice, wheat, til and linseed oil cake, teak, sal, bijasal, lac, mohua and myriobalan The imports are salt, sugar, gur, (Bastar), cotton thread and cloth, metals, brass vessels, hardware and stationery

A large weekly cattle market is situated at BALODA Bazar near SHIMOGA Others centres of trade are BARONDA, BAREKEL, UTAL, RANITERAI, GANDAI, ARJUNDAH, DRUG, KURUD, DHANTARI, NEORA, BHATAPARA, etc

RAIPUR (population 45,390) is a great railway junction (branch DHAMTARI with a population 11,505 and RAJIM) Brass making, lacquering wood, cloth weaving and mat-making are the industries Oil mill and cotton ginning factories are situated here There is a small museum

B N Rly passes through the district

SAUGOR DISTRICT.

The SAUGOR district (area 6,671 sq miles, population 851,258, language, Hindi) has numerous isolated hills and the general aspect is generally undulating But it has many open parts also The hills are poorly wooded but has pure teak forests The climate is pleasant and is healthy during the greater part of the year Average rainfall is about 48"

Prevailing soil is dark loam known as mund and is much praised owing to its easy workability The chief crops are wheat, gram, jowar, sesamum, kodan, cotton, rice, etc Betel-vine gardens are found at SAUGOR, BAHEH, SABAJPUR, JAI SINAGAR, etc

Weaving and dyeing (at SAUGOR, HEHLI, DEORI, GOURJHANAR, GARHAKOTA), brass working (at DEORI, KHARAI and MALTHEOME), iron work (at RAHATGARH), gold and silver works, glass works, bell-metal, etc are the chief industries

The exports are grains, til and linseed, forest products, betel leaves, skins and horns of antelopes The imports are cotton piecegoods, kerosene oil, metals, hardware, groceries, spices, country cloths, sugar, tobacco, salt, etc

SAUGOR (population 40,901 including the cantonment)—The industries of the place are declining Trade of the district is concentrated here GOR and SAHAPUR are the trade centres

BINA JUNCTION, on the G. I. P. Rly, main line, is a big grain-market, and wheat and gur are the chief exports from KHARAI, a railway station on the Bina-Katni section of the G. I. P. Rly

DAMOH (population 20,728) forms a part of the Vindhya plateau in the extreme north of the province and is intercepted by rivers and valleys The climate of the place is on the whole moderately cold in winter and temperate in summer but DAMOH town is somewhat hotter than the rest of the district The annual rainfall averages 32", Soil and form of cultivation differ from tahsil to tahsil, black soil of the light and friable kind and of great fertility occurs

The crops raised here are wheat, gram, linseed rice and kodan, Jowar and til are also cultivated to a very small extent Teak and sal are the chief timbers in the reserved forests There are sufficient grazing grounds, and fodder grass is sold Iron ore has been found near the Panna State border and building stone is also available

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MARKET PLACES OF ASSAM.

THE Province of Assam can be topographically divided into three natural divisions; the Surma Valley, the Brahmaputra Valley and the intervening range of hills. The Surma Valley is a flat plain about 125 miles long and 60 miles broad and is shut on both the sides by ranges. The Valley of the Brahmaputra is an alluvial plain about 500 miles long and 50 miles broad. The total land consists of the Jaintia, Khasi and Garo Hills, stretching from each to west and of the Lushai Hills in the south. The Province has an area of 26,000 sq miles and a population of 9,247,857.

Climate:—The climate of Assam is cold and extremely humid. But the temperature is never extreme. Average annual rainfall is abundant but varies from place to place according to height. Sylhet 57", Silchar 124", Cherrapunji 500", Goalpara and Lakhimpur 115" and at other places it is about 80" on the average, but as low as 68" is not uncommon. Storms occur during the spring months and the Province is often subject to earthquakes.

Soil:—The soil of Assam in general can be taken as a loose sandy loam with a thin layer of humus at the top. Humus is the black substance formed from decayed organic matters, leaves and branches. The presence of humus in a loose soil imparts fertility to it and supports a luxuriant vegetation. The composition of the soil in the slopes of the hills varies in its abundance of ferruginous and calcareous sand stones,—the latter being more marked in areas near Cherrapunjee. The plains of the Brahmaputra Valley consist of fertile alluvium and the soil is similar to that of the Indus or the Gangetic plains of the Punjab and Bengal.

Natural Resources:—In the Surma Valley, rivers rise from the Naga hills and flow south through Manipur. Slender palms, feathery bamboos, and broad-leaved plantains are seen everywhere in the villages. Throughout its length the Brahmaputra Valley is enclosed by marshy land covered with thick grass jungles interspersed with cultivation here and there. Rice is grown, forest timbers are felled and tea gardens are opened. There are large areas of waste land, swamps, forests and hills, and in some parts of the valley population is beginning to press upon the soil. The slopes of the lower hills are clothed with forest and the rivers pass through gorges of exceptional beauty. Ranges of hills comprising the Naga, the Jaintia, the Lushai, etc., are broken by sharply segregated ridges and deep valleys, all of which alike are covered with forests. The State of Manipur, however, though situated in this portion is a fertile valley surrounded by a range of hills.

The uncultivated portion of the Assam Valley is usually covered with forests or with big grass and reeds (ikra, nal and khagri). The trees found are sal but in the west amora, michelia, magnolia, ficus and mesua are common. Various kinds of palms, canes, tree ferns, bamboos and plantain trees are also common. The greater part of the Assam range is covered with dense forests or jungle and the most valuable timber tree in them, is sal. Others are tita sapa, jarul, stroemia, nahor, sam, gomari, khair, sisu and gunserai. Forests cover about 4 million acres. Elephants are largely available here and are found wild. Lac and silk cocoons are collected from forests.

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The G. I. P. Rly runs through the centre of the district. A branch line runs from Waidha to Warora, which is 686 miles from Calcutta via Midnapur and Nagpur.

YEOTMAL DISTRICT.

With a few exceptions, the YEOTMAL district (area, 5,219 sq miles, population, 857,573) consists of hills (offshoots of the Ajanta chain). Soil in these isolated places consists of a deep layer of rich black loam. The climate is extremely dry during the hot season but temperate during the rains and pleasant during the cold season. Average rainfall amounts to about 42". Soil is generally of a very poor quality on the plateau but is fertile in the valleys near small rivers.

The chief crops grown are jowar, cotton, and pulses. The forest products are timbers, fuel and fodder. Pasture land covers about 800 sq. miles.

Ginning and pressing of cotton, weaving of khadi, saris and turbans and cotton printing are the industries of the district.

The exports are raw cotton, oil seeds, cereals, pulses, etc. The chief imports are cereals and pulses, salt and sugar which come mainly from the neighbouring districts and Bombay. Goods are carried by the G. I. P. Rly. which is reached by Yeotmal-Dhamangaon road. YEOTMAL is the chief centre of cotton trade and the general trade of the district. WUN, DARWHA and DIGARS are also trade centres in the district which contain cattle markets. Weekly markets are held in the Pargana towns.

YEOTMAL (population 20,967), the district headquarters, is Municipality and contains several ginning and pressing factories. The town is connected through DHAMANGAON with a metalled road 29 miles away on the G. I. P. Rly.

Trade centres are WUN (12,597), PUSAD (9,862), DIGARS (9,398) and PARIDHAR, KAORA (7,577).

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ing on land previously abandoned 1,956 acres and abandoned 1,803 acres. There was a slight increase in area in all the districts except in Darrang and Lakhimpur from which district, slight decrease was reported this year. The area plucked decreased from 407,020 acres to 403,826 acres and presents 92.0 per cent of the total area under tea against 93.4 per cent of the previous year. The area owned by Indians was 56,759 acres (revised).

The total area of land comprised within the tea estates in Assam, was 1,682,853 acres against 1,671,633 in the preceding year, of which 26 per cent was actually under tea. The area in the occupation of Indian planters was 253,892 acres.

The daily average number of labourers employed in gardens during the year was 505,237 against 519,435 in the previous year, the permanent garden labour being 447,263, permanent outside labour 29,290 and temporary outside labour 28,684 against 463,412, 26,206 and 29,817 persons respectively in the previous year. The decrease is due to the observance of the restriction scheme. The incidence of area (plucked) under tea to labour comes to 80 acre per man against 78 in the previous year.

The total outturn of tea in the province during the year was 223,073,051 lbs of black and 96,259 lbs of green tea against 226,128,260 lbs and 211,526 lbs respectively in the previous year, or a decrease of 3,170,476 lbs in all. The decrease occurred in the districts of Sylhet, Darrang and Nowgong and is due to the fine plucking of tea leaf on account of the restriction scheme.

Factories.—During the year ended December 31, 1935 the number of factories in Assam was 706. Of these seasonal factories number 633. There are 21 rice mills in the Province.

The average daily number of persons employed in the registered factories was 47,557, an increase of 1,792.

Industries of the modern type including rice mills, oil mills, brick, pipe and pottery works at LEDO (Lakhimpur); paper pulp making at SILCHAR, kerosene oil tinning and packing at BAHADURPUR GHAT (Cachar), railway workshops at DIBRUGARH (Lakhimpur), TEZPUR (Darrang) and JORHAT (Sibsagar), petroleum refining at DIGBOI (Lakhimpur), engineering workshops at DIGBOI, RAHABARI, (Dibrugarh), MARGHERITA, TALAP, BARAHAPJAN, all in the Lakhimpur district.

Cottage Industries.—The most common cottage industries of the Province are cotton weaving and sericulture. The cotton weaving industry of Assam exists in three distinct stages among the three different classes of the people. Among the progressive inhabitants of the Surma Valley, the industry may be said to be extinct, and there is little probability of its revival. Among the Assamese proper, it still holds an important position, even in the manufacture of the coarse cloths. It will probably be long before these are altogether superseded by imported fabrics, and the weaving of delicately ornamented clothes will, no doubt, long continue to be a favourite pastime for well-to-do ladies. In the hills and among the hillsmen, who have settled in the plains, weaving is still largely practised.

Sericulture is practised on a fairly large scale. Muga silk worm is reared in Sylhet, Cachar and Kamrup and is woven into fabrics or exported to Calcutta and other markets. Endi silk was for long the monopoly of Assam but its rearing now extends to Eastern Bengal. The crops are usually reared from September to November and from

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Forests:—The total area of the reserved forests stands at 6,647 square miles and unclassified state forests 14,765 sq. miles. The main output of the forests consists of timber and sleepers.

Fauna:—Assam is full of birds of all kinds, the prettiest of which is the peacock. Black pheasants, jungle fowls, partridges (black and brown), floricans, imperial and green pigeons are found in large number in these forests. That rare bird, the peacock-pheasant is seen in the southern slopes of the Khasia and Jaintia Hills and in the Garo Hills. In the beels and swamps, ducks of various kinds, teal and other game birds abound. Snipe, the most sporting game bird of India is found in marshes and low lands.

Crops:—The chief crops in the province of Assam are rice and tea. The two great alluvial plains of the Brahmaputra and the Surma are suitable for cultivation. Deep, soft, clayey loam is best suited for the cultivation of rice of various qualities which are grown over huge areas in the different tracts in the district. Wheat and barley are grown on a limited scale in the Goalpara district. Jute is grown in Goalpara, in Sylhet and also in Kamrup. Linseed is grown in Sylhet. Garden crops include tobacco, several kinds of plantains, vegetables, palm, areca palm, pepper, and various kinds of spices. The Khasis export Potatoes, Oranges, Pineapples, and leaves of bay tree, and cotton is grown by most of the hill-tribes. Cowdung and sweepings of courtyards are used as manure to garden crops, sugarcane, jute and the nuiseries. The great handicap to cultivation is absence of labour and many tea gardens are worked by indentured labour.

Area under crops in 1,000 acres in various districts of Assam follows—Rice—Sylhet (1,644), Kamrup (767), Sibsagar (478), Goalpara (418), Dairang (361), Cachar (272), Lakhimpur (324), Nowgong (351). Pulses—Kamrup (82), Nowgong (44), Dairang (26), Sibsagar (17), Goalpara (17). Linseed—Sylhet (15), Cachar (15). Sesamum—Nowgong (5), Kamrup (4), Goalpara (4), Cachar (34). Rape and Mustard—Kamrup (91), Goalpara (64), Nowgong (62), Dairang (48), Sibsagar (27). Sugarcane—Sibsagar (71), Cachar (75), Lakhimpur (16), Kamrup (44). Cotton—Garo Hills (19), Lushai Hills (8), Nowgong (54). Jute—Goalpara (41), Kamrup (30), Nowgong (52). Tea—Sibsagar (99), Sylhet (88), Lakhimpur (109), Dairang (61), Cachar (51). Tobacco—Goalpara (6), Kamrup (4). Fruits and Vegetables—Sibsagar (121), Dairang (45), Kamrup (76), Sylhet (35), Lakhimpur (38).

Minerals:—The minerals worked in Assam are coal, limestone and petroleum oil. Coal is found at MAKUM, and KHASI, JAINTIA and NAGA HILLS. The output in 1936 was 201,593 tons, of which the major part is mined in Lakhimpur. Limestones are found extensively on the southern face of the Khasi and Jaintia hills—from the Someswar River in Garo hills to that of the Jiali river in the Jaintia. The centre of the trade is SYLHET. Petroleum is worked in the MAKUM FIELDS in Lakhimpur and also at some other places (MANIPUR, BADARPUR and BANAK in Cachar). Iron is worked to a very small extent in the Khasi hills. It is also found in Mikir hills. Platinum has been found in the sands of the Dihing river and lead and silver are found in the Khamti hills.

Tea Industry:—The predominant industry of the Province is the manufacture of tea, both black and green. The number of gardens in Assam at the close of 1936 was 1,103 against 1,067 of the previous year, of which 365 were owned by Indians.

The total area under tea during the year increased from 437,204 acres (revised) of the previous year to 438,805 acres, new extension on land not previously planted with tea being 1,118 acres and replant-

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GARH and SADIYA, HABIGANJ, AJMIRGANJ, SUNAMGANJ, CHHATAK, BALAGANJ, SYLHET and SILCHAR

The trade of Assam is chiefly with Calcutta and Chittagong by rail and steamer. The trade of the interior, which however is not considerable, is carried on by carts. Cattle, ponies, sheep and other livestock are generally brought to Assam by road.

Foreign trade is carried on with Bhutan, Towang and the tribes of the lower Himalayas. TEZPUR, LAKHIMPUR and SADIYA are the centres where rubber is brought by these people for sale who take away cotton, cloth, yarn and silk.

Crop Forecast:—The area under autumn rice is estimated at 5,109,000 acres in 1936-37 as against 5,286,000 acres, in the previous year. The weather has been generally favourable for the cultivation and the growth of the crop in the Suima valley, while it was unfavourable at sowing time in some districts of the Assam valley. It however, improved subsequently to some extent. The present prospects of the crop are not very satisfactory on the whole. The average outturn for the province is estimated at 78 per cent of the normal, as against 81 per cent at this time last year.

Area under jute cultivation in Assam during 1937 has been estimated at 197,700 acres, as against 157,000 acres in 1936. The province is next in importance to Bengal and Bihar only. The total produce of the province in 1937 amounts to 592,800 bales against 461,700 bales in 1936 or an increase of about 28 per cent.

The districts where jute thrives most are Goalpara, Nowgong and Kamrup. Areas and estimated yields during 1937 follow: Goalpara 58,000 acres, 194,000 bales, Nowgong 50,500 acres, 141,000 bales, Kamrup 36,000 acres, 104,000 bales, Sylhet 39,000 acres, 111,000 bales.

Budget for 1937-38:—The revenue is estimated at Rs 2,84,74,000, expenditure at Rs. 2, 82, 48,000, leaving a surplus of Rs 2 26,000.

To tackle the question of unemployment the Government propose to start as an experimental measure an agricultural colony for educated youths. They also want to give training to our educated young men in cottage industries, which they hope will be of benefit to the province. Similarly, for expanding the activities of the agricultural department provision is made of a sum of Rs 20,000 to be equally divided for village reconstruction and agricultural demonstration.

As a preliminary to the introduction of the principle of compulsion as embodied in the Assam Primary Education Act, the Budget provides for Rs 40,000 on this account as a beginning. A similar amount has been provided for aiding deserving secondary schools and increasing grants to those that are inadequately aided.

The Budget also announces a new scheme for subsidizing private qualified medical practitioners who will settle in particular selected rural localities. They will receive a subsidy of Rs 25 a month. The Government will provide an initial outlay of about Rs 150/- in medicines and appliances for each subsidized doctor. Announcement is also made of grants of Rs 30,000 for starting breeding centres in the interior, Rs 14,000 to the Assam Livestock Association and Rs 20,000 for irrigation.

Rail and River Borne Trade:—Imports—Cement, coal, yarn, piece-goods, fruits dried, wheat flour, gunny bags and cloth, iron and steel bars, sugar, gur, tobacco.

Exports:—Paddy, rice, hide raw, jute, kerosene oil, rape and mustard, tea, and lime.

Transport and Communication:—The trade of Assam is chiefly carried by river but increasing use is being made of the Assam Bengal

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February to March when the climatic conditions are considered ideal. Silk fabrics are woven both for home consumption and for sale.

Among other industries of the Province may be mentioned manufacture of brass and bell-metal articles, shoes, wooden utensils, wood carving, toy making, pottery, etc. Of the industrial arts may be noted jewellery and enamelling, ivory carving, embroidery and lac bangles. Handicrafts are mat and basket making, blanket and durri weaving, brush and comb making, cutlery, etc.

The minor industries are burning of limestone, preparation of molasses and mustard oil, making of boats, canoes and sea boxes, the manufacture of earthen vessels and local jewelries. Other manufactures are iron work and rough pottery.

The district of Sylhet is famous for lime, mats of bamboo and reeds, boxes and furniture made of reeds, bracelet of shell, and lac, agar or attar (a perfume from sap of agar tree), toys, fish-oil, dried fish and boat. There are several oil and rice mills at GAUHATI and in some other parts of the Province. There are saw mills and brick potteries in the Lakhimpur district. The chests are made from simul trees. The total number of factories in the Province is 6,200.

The fish industry is one of the most important of the indigenous industries of the province of Assam. It is still carried on in the old methods, either by individual fishermen, or by a combination of fishermen, working under a middleman, who takes the lease of a fishery, and supplies the boats and nets necessary for carrying on the business, while the fishermen supply the labour. The industry obtains in several forms—(1) Exports of fresh and salted fish, (2) Preparation of dried fish, (3) Preparation of fish oil, (4) Sale of fish manure. The possible by-products are fish manure, isinglass, fish skin and fins. Preservation of fish may also be tried.

Industrial development in the province is far from satisfactory. A representation has been made urging the Government to draw up a plan for rendering principal assistance to new industrial establishments.

Timber:—Oaks and pines which one usually associates with cold climate are represented in large number in the Assam Hills. The plains contain a bewildering variety of trees, shrubs and herbs. The giant Hollong tree (*Dipterocarpus pilosus*), the gigantic Hollock (*Terminalia myriocarpa*), the magnificent Sal (*Shorea robusta*) are objects of admiration to any casual observer. Assam forest produces, Sissu (*Dalbergia sissoo*), Khair (*Acacia catechu*), Cham (*Artocarpus chaplasha*), Champa (*Michelia champaca*), Gamari (*Gmelina arborea*), Poma (*Cedrela toona*), Bonsum (*Phoebe haineaniana*) and a host of other and ornamental woods. Agar wood (*Aquilaria agallocha*), the famous 'Aguru' of commerce is found in Assam, but the most important items of minor produce that yield large revenue are lac, cane, thatch and bamboo mahals. The major part of Assam timber goes to Bengal, which is the chief market for Assam hardwoods. A few saw mills in upper Assam manufacture tea boxes for the tea industry and a small quantity of bamboo chips are sent to paper mills in Bengal.

Trade:—The bulk of the trade, apart from tea, consists of raw products, due to the very undeveloped nature of the Province. The principal imports are generally cotton piecegoods and twist, husked rice, salt, sugar, kerosene oil, mustard and other oils, gram and pulses, tobacco and metals. The chief exports are tea, unhusked rice, oil seeds, coal, lime, rubber, jute, raw cotton, lac, hides, oranges, etc.

The most important centres of trade are GOALPARA, BARPETA, GAUHATI, TEZPUR, NOWGONG, GOLAGHAT, JORHAT, DIBRU-

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potatoes, and hull products and textiles which are its articles of trade. There is a hydro-electric company here. TEZPUR is perhaps a place of call; the main north trunk road passes through the town, and it has also railway connection with the northern portion of the Province.

There are about 1,800 villages in the district, the principal one being MANGALDAI.

GOALPARA DISTRICT.

GOALPARA is a district in the north-western portion of the province adjoining Bengal with an area of nearly 4,000 square miles.

The Brahmaputra flows through the district, or forms a boundary, for a distance of more than 80 miles and a considerable portion of the land in the neighbourhood of the river is liable to be flooded. The district produces rice and cereals rice, wheat, pulse, mustard, tobacco, tea, cotton, and jute. The hilly and lowland portions of the district afford suitable grazing grounds for cattle and goats in the rainy and dry seasons of the year respectively.

The district has a good trade in Assam silk cloth (hand woven).

There are about 1,460 villages in GOALPARA. The towns of importance are DHUBRI, GOALPARA and GAURIPUR.

DHUBRI (population 9,485) — It is the headquarters of the GOALPARA district (area 3,953 sq miles; population 88,748, languages, Bengali and Assamese). It is connected with Calcutta by rail, is situated on the right bank of the Brahmaputra, and is a place of call for river steamers. The town contains public offices, library, Town Hall, and a High School, and a considerable export trade in jute is carried on. There is a match factory here. There is a bank and a loan company.

GOALPARA is the largest town in the district, and it contains a number of fine buildings situated on a hill whose summit is 400 feet above the level of the sea.

GAURIPUR is a busy little place on the GADADHAR River, and a large number of Marwari merchants who have settled here carry on a very considerable export and import trade. It is situated about five miles to the north of Dhubri. A cattle fair is held in March.

A large proportion of the trade of the district is in the hands of wealthy Marwari merchants, and the principal goods exported by them and others include timber, hides, unhusked rice, silk cloth, fish, cotton, lac, betel-nuts, and jute. Among imports are European piece-goods, salt, hardware, oil, tobacco, flour, sugar, spices, and various kinds of pulse.

Vessels for carrying passengers and cargo are run by the India General Steam Navigation Company and the River Steam Navigation Company. There are also branch lines connecting certain centres with the Eastern Bengal and Assam-Bengal Railway Companies.

KAMRUP DISTRICT.

The district of KAMRUP in the north western portion of the Province, has an area of nearly 3863 square miles. It has a population of 976,746 who speak Assamese. It is bounded on the north by Bhutan, on the east by the district of Darrang and Nowgong, on the west by GOALPARA, and on the south by the KHASI HILLS.

Rather more than 80 per cent of the inhabitants are engaged in agriculture, and the majority of these are tenants of the Government.

Many different varieties of rice are grown, the majority of the plants being raised from seed sown in nursery beds and then transplanted. Nearly 80 per cent. of the cultivated land is under this crop.

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Railway which connects Chittagong (now a major port) with Sadiya on the Biahmaputia. Regular cargo services I G. N. & R S N Co's exist. A B Rly traverses and serves the entire Province.

CACHAR DISTRICT.

The district of CACHAR (area 3,855 sq miles, population 570,531, language, Bengali, Manipuli, Cachari, Naga, Kuki, Hindustani and Mikir) is intercepted by hills. The Naga hills, Lushai hills, etc., pass through it. The chief rivers are the Barok (from Manipur), the Sonai, the Ghagra and the Dhaleswar. The alluvial plains of Cachar are being gradually raised by the action of rivers. The climate of the district is a tolerably healthy one. In some parts of the district rainfall is heavy. At Silchar it is 121 inches annually and at places near the foot of the Assam Range the quantity is nearly 170 inches.

The forests of Cachar contain a large quantity of valuable timber-trees, which are used for house-posts, beams, house-hold furniture, tea-boxes, railway sleepers, boats, agricultural purposes, and firewoods.

Soil of the plains consists of clay and sand. The banks of the rivers are higher than those of the surrounding country. In North Cachar migratory cultivation is the rule. The seeds of crops are grown on the ashes of burnt up trees on the hill sides.

The staple food crop is rice, pulses, sugarcane, maize, chillies, mustard and linseed are grown. Tea is largely grown here. There are several saw mills. The Manipurians weave cotton and mosquito curtains and manufacture brass vessels. Daois and axes are forged by blacksmiths.

The chief item of export is tea. Timber and bamboos of Cachar are in good demand in Sylhet. Principal articles of import are rice, flour, betelnuts, salt, sugar, ghee, kerosene oil, piecegoods, iron and steel. The bulk of the trade is with Calcutta but Chittagong is taking a good share. Cachar imports timber, rubber and forest products from Manipur and sends there piecegoods, cotton twist, dried fish, and betelnuts.

SILCHAR (population 13,069) is the headquarters of the district which is the chief business centre. It is a terminus station of a branch line from Badarpur on the A B Rly and is the centre of tea plantations in the district. The Indian Paper Pulp Co. manufactures paper pulp here. Here are oil mills also.

HAILAKANDI, SONAMUKH, SIVALKEH and BARKHALA are the other centres of trade. Besides these the tea gardens consume various articles.

DARRANG DISTRICT.

The district of DARRANG has an area of about 3,400 square miles and is situated between the Himalaya Mountains and the Brahmaputra.

Although rice is grown upon nearly 70 per cent of the cultivated land, tea is the most valuable crop of all. The first tea garden in the district was opened about the year 1854. Jute is another crop which is grown far more extensively now than it was done twenty or twenty-five years ago.

The trade carried on in DARRANG consists to a very large extent of its dealings with Calcutta merchants, and the chief exports comprise of tea, mustard and other seeds, hides, cane and rubber, while the imports include rice, grain, machinery, hardware, kerosene, and piecegoods.

SHILLONG (population 26,770) —It is in the KHASI and JAINTHIA HILLS district (population 289,926, languages Khasi, Assamese, Bengali, Hindustani, English, etc.) and is the present capital of Assam and the headquarters of the Assam Government. It exports fruits.

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The various races inhabiting the district include tribes or castes of Angamis, Aos, Chotas, Semas and others. Fully 90 per cent of the people are engaged in agricultural pursuits. The principal crops are rice, millet, chillies, pumpkins, cotton, maize and a various assortment of fruits and European vegetables.

The primitive industry is cloth weaving. Other industries include the making of iron spear-heads, implements, pottery, mats and baskets.

The Naga methods of spinning and weaving cloth are of an extremely simple character but many of their garments are made to withstand the coldest weather, and are in addition, very attractive in appearance. There are a few other industries of a primitive kind, such as the making of iron spear-heads, implements, pottery, mats and baskets but it may be taken as a general rule that each family utilizes all that it produces.

KOHIMA, the headquarters of the district contains an old fort, magazine, post and telegraph offices, together with the official quarters of the Deputy Commissioner.

The remaining villages are about 250 in number, and the majority of them are built upon the summits of hills.

SIBSAGAR DISTRICT.

The district has an area of 5,003 sq miles and a population of 933,326. Language spoken is Assamese.

The district produces rich crops of rice, about 500,000 acres being under cultivation under the crop. Other important crops are rape and mustard, pulses, sugarcane, etc. Tea is grown on a large scale.

SIBSAGAR (population 6,651).—It is a big tea centre. There are oil mills also.

JORHAT.—It is the Sadar Station and is a centre of tea trade.

SYLHET DISTRICT.

The district of SYLHET has an area of 5,413 sq. miles and a population of 2,724,432.

The district possesses the largest area under rice in Assam. In fact more than 16 million acres are under the crop. About 88,000 acres of land are under tea. Fruit and vegetables are grown on a pretty large scale. Linseed is also grown. Jute is grown over 37,200 acres. Muga silk worm is reared in the district.

SYLHET is famous for oranges which are exported to Calcutta in very large quantities. Limestone occurs plentifully in the district and is burnt into lime by several factories at SYLHET town and also at SUNAMGANJ and CHHATAK. Sylhet lime is in considerable demand in the Calcutta market and elsewhere as a building material.

SYLHET (population 24,435).—There are a number of banks and loan offices in the town. Bengali is the language spoken here.

KARIMGANJ (population 5,691).—It is an important trade centre in the Sylhet district. There are rice and oil mills here.

List of Fairs.—Chandbhanga, 4 miles from Shaistaganj, Station (A. B. Ry.), First week of January, Fatepur, 1 mile from Shahu Bazar (A. B. Ry.). Middle of December, Kamrup, Ambubachi, Ashar (Religious), Tirhut, Assam, January, (Flower and Vegetable), Madhabpur, 7 miles from Itakhala Railway Station (A. B. Ry.), First week of December. Rice, Cloth, Shoes, Wooden furniture, Varieties, Brass, Pottery shops, Iron made articles for domestic purpose and earthen toy goods, etc., Murakari, 8 miles from Chatuyan Station (A. B. Ry.). Last week of December, Siddheswar, Katigora Pargana, Baruni Mela, on the Baruni day in March, Agricultural, Industrial and Cattle Fair, 15 days.

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the remainder being devoted principally to mustard, tea, pulses, jute, sugarcane, and garden produce.

The chief industries at the present day are the weaving of cotton cloths; the rearing of silkworms and the production of silk, the manufacture of pottery, including water-jars and other vessels, cooking-pots, earthenware pipes, and sundry other articles, the making of bell-metal cups, jars, boxes, and brass utensils and ornaments of every description.

GAUHATI (population 21,797) —It is the district headquarters and is the largest town in Assam. It stands on the bank of the Brahmaputra river and is a railway station on the A. B. Ry. A large number of pilgrims visit the temple of Kamakhya which stands opposite Gauhati. Goods are transported on rivers by the I. G. N. and R. S. N. lines. Silk cloth is exported and there are a number of insurance companies doing business here. The Government Weaving Institute and Sericultural Station are here. There is a first grade College. The town serves as the gateway to Assam's business.

PALASHARI—It stands on the south bank of the Brahmaputra. There are transactions in Endi, Muga, Paddy, Mustard, Jute, Lac, etc.

SHILLONG—It is the seat of the Provincial Government and is connected with a sixty-four mile hill road with Gauhati. It is beautifully situated on a hill and is a favourite health resort. There is a regular motor service from Gauhati.

The district is traversed by A. B. Railway and E. B. Ry. up to Gauhati. The Brahmaputra River serves as an important highway for the conveyance of passengers as well as merchandise, and steamers are constantly plying between places which are served by one of the above-named railway companies.

LAKHIMPUR DISTRICT.

The district of LAKHIMPUR stretches across an area of 4,116 sq miles and is inhabited by a population of 724,582 who speak Assamese.

The district of LAKHIMPUR is mainly a rice growing tract, about 324,000 acres being under the crop. Tea is grown over 109,000 acres. Fruits and vegetables are cultivated widely, there being 38,000 acres under them.

The district is the biggest coal producing area in Assam. In 1936 it produced about 1½ lakhs of tons.

DIBRUGARH (population 18,734) —It is a big tea centre. Imperial Bank of India has a branch here. It is the Sadar Station of the Lakhimpur district. It is situated on the bank of the Brahmaputra and is a railway station on the Dibrugarh-Sadiya Ry. It is 359 miles from Calcutta.

TINSUKIA (population 5,100) —A growing mart. There are a number of rice mills here.

NAGA HILLS.

The district of the NAGA HILLS is merely a narrow strip of hilly country with a total length of about 140 miles and a breadth of less than 30 miles. The NAGA HILLS territory is now bounded by the district of Sibsagar on the north, by Sibsagar and Nowgong and the North Cachar Hills on the west, on the south by the Native State of Manipur, and by mountain ranges on the east. Ranges of mountains varying in height from 3,000 ft to more than 9,000 ft are to be seen in nearly every portion of the district and although the majority of these are covered with dense vegetation, tracts have been cleared for purposes of agriculture.

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them but there is still room for extension of area, irrigated by the remaining two.

Public Works Department has commenced the construction of a hydro-electric power station on the Upper Swat Canal where it leaves the Benton tunnel in the Malakand Agency and falls steeply to the plains of the Peshawar District. Two power sites about four miles apart exist on this stretch of the canal, which has a minimum flow of 1,250 cubic feet per second.

Budget:—The budget of the Province for the year 1937-38 estimates revenue receipts of Rs 1,79,69,000 and expenditure of Rs 1,85,31,000, causing a deficit of Rs 5,62,000.

BANNU DISTRICT.

The BANNU district (area 1,698 sq. miles, population 270,301 and rainfall 10·8") lies to the south of the Kohat district. The district is rich in agricultural produce. The chief crops are wheat, gram, maize and bajra.

The climate of the district is on the whole moist and close in the hot season and temperate in the cold.

The chief industries of the district consist of pasturage and agriculture. There are several factories for the ginning and pressing of cotton. Dyeing, bleaching and printing form another important industry. Earthenwares are made, iron goods are turned out by blacksmiths. The district is also famous for its boots, shoes and sandals, woollen rugs are also made. Woollen pile rugs and phulkaries produced in the district have some artistic merit.

The chief exports of the district are cotton, wool, gram, wheat, oilseeds, millets and pulses while the chief imports are sugar, piecegoods, glue, wool, oil, iron and tobacco.

Important towns in the district are BANNU (30,539) and LAKHI (7,703).

DERA ISMAIL KHAN DISTRICT.

This district (area 3,471 sq miles, population 274,064) is also hilly but a good portion lies in the plains. It is covered with shrubs, jungles with secondary trees. The climate is much drier than the surrounding districts and is probably extreme. The annual rainfall averages about 10 inches. There is a small portion of alluvial land called Kachi. The staple crops are wheat (164,000 acres), bajra (91,000 acres), gram (61,000 acres), rape (69,000 acres), jowar (40,000 acres), and barley (4,800 acres), pulses (10,000 acres), are also grown. The district is quite unsuitable for cattle breeding.

Coarse cotton cloth is woven in many villages of the district. Turned and lacquered woodwork of remarkable excellence are made at DERA ISMAIL KHAN and also at PAHARPUR. The commercial importance of the district lies in the fact that it lies entirely on the route of the Khorasan merchants who trade with India. The principal articles carried through it are silk, charas, gold and silver thread, and fur from Bokhara, wool and fruits from Ghazni and Kandahar, madder, wool, ghee, tobacco from Ghazni. The return trade from India consists of indigo, piecegoods, metals, sugar, salt, shoes, leather.

DERA ISMAIL KHAN (population 40,000) is the headquarters. The chief imports here are piecegoods, hides, salt, sugar and fancy wares. The exports are grain, wool and ghee. Lungi weaving and lacquered ware making are the local industries. It is the destination of the trade through the Gomal Pass.

It is commercially an important town as it lies across the route of the trade carried on between India and Khorasan by travelling

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MARKET PLACES OF THE NORTH-WEST FRONTIER PROVINCE.

THE tract, now called the N-W F Province, originally formed a part of the Punjab, but for protection of India against foreign invasion and administrative reasons it was transferred into a separate province in 1901

The province forms an oblong territory stretching from north-west to south-west, on the western side of the Indus. It borders on Kashmir, the Punjab, Beluchistan and Afghanistan. In 1932, it was raised to the status of a Governor's province and the Council under the Reforms was inaugurated on April, 20, 1932. Its total area is 36,356 sq miles. It has a population of 2,425,076, mostly of Pathans speaking Pushtu. Peshawar is the capital city.

The whole tract is very mountainous, the Hindukush mountains (nearly 16,000 ft) form the northern boundary. The highest peak is Tirach Mu (25,426 ft). Principal rivers are the Indus, Kabul, Kurram and Kunhar. Diversified climatic conditions prevail in the province. In the more mountainous parts it is much colder, specially in winter.

Average annual rainfall is scanty and varies from 10" to 43" in different parts. River valleys and the district of Peshawar are the only fertile and cultivated parts. Agriculture is the leading occupation of the province.

The principal crops in the province are Wheat, rape and mustard, barley, jowar, bajra, maize, gram, cotton, sugarcane, rice, tobacco, fodder crops, fruits and vegetables. The districts where different crops grow in plenty are Rice—Hazara, Peshawar, Wheat—Peshawar, Bannu, Deira Ismail Khan, Hazara, Kohat, Barley—Peshawar, Hazara, Jowar—Deira Ismail Khan, Peshawar, Bajra—Kohat, Deira Ismail Khan, Maize—Hazara, Peshawar, Gram—Bannu, Rapeseed—Deira Ismail Khan, Peshawar; Sugarcane—Peshawar, Cotton—Peshawar. The total area under cultivation in 1934-35 was 2,653,000 acres.

Large quantities of dried fruits, asafoetida (hing), musk, etc., are carried from this place to distant parts of India. This province has an entrepot trade with Central Asia and Afghanistan. Numerous caravans enter Peshawar through the Khyber Pass from Kabul and Bokhara, and bring raw silk, wool, resin, fruits fresh and dried, gold and silver lace, skins, mats and fibres. They take back cotton piece-goods, silk, sugar, salt, tea, and spices. The chief military outposts are Nowshera, Bannu, Kohat and Chitral.

The country is mainly agricultural, there being only 26 factories in operation in 1923. Of these 21 were perennial and 5 seasonal. The factories are mostly owned and controlled by the Government. These include 3 ice and aerated water factories, 2 gin and press, 5 electrical engineering workshops, 6 forage presses, 5 ordnance factories, 2 electric generating stations, and 1 printing press.

There are four State canals in the district for irrigation. These are Lower Swat Canal (length 22 miles and 172 miles), Kabul River Canal (length 65 miles and 13 miles), Upper Swat Canal (length 138 miles and 403 miles) and Paharpur Canal (length 42 miles and 15 miles). The first two have reached the cultivable area commanded by

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NORTH AND SOUTH WAZIRISTAN AGENCIES.

Some parts of the district are well-wooded but most of the country is barren and lies fallow. Total area under tillage during 1933-34 is 19,000 acres, wheat (10,000 acres) and maize (4,500 acres), being the principal crops.

PESHAWAR DISTRICT.

Average annual rainfall is about 13". The area of the district is 2,537 sq. miles and the population is 9,74,321. Languages spoken are Persian, Urdu, Punjabi and Pushtu.

The soil is uniform throughout in spite of the stony surface, light and porous earth predominates on the surface. The chief crops grown by wells and tanks are wheat, barley, maize, sugarcane and cotton, apricots, peaches, pomegranate, quinces and other fruits are largely grown round the town of Peshawar. About 10 sq. miles are under fruits and vegetables. It contains quarries of slate and marble. Chief crops are.—Wheat, barley, maize, rape and mustard, sugarcane, jowar, fodder, cotton, etc.

The district is noted for its turbans whether of silk or of cotton and a great deal of cotton cloth is woven. Afridiwad cloths are now largely woven for the European market. Felted mats, saddle cloths, and blankets are also produced. Glazed earthenware, leather goods and copperware are made locally. There are 2 cotton presses here.

PESHAWAR with a population of 121,886 is the seat of the local government, is a large military station and the chief trade centre. It was the ancient capital of Eastern Afghanistan, and is now the largest military cantonment under the Government of India. The bulk of Indian trade with Dir, Swat, Chitral, Bajur, Buner and Afghanistan passes through Peshawar. The chief exports are cotton piecegoods, raw cotton, yarn, indigo, turmeric, wheat, leather goods, brass, copper and iron wares, salt, spices, sugar, tea, tobacco, and silver. Trade from and to Kabul and Bokhara passes through it without stopping. A government weaving institute has recently been opened to impart training on handloom weaving, plain and fancy bleaching, dyeing and finishing cotton, wool and silk.

MARDAN (population 26,279).—It is a military station. Important trades are ghee, gur, mash, black jawar, barley, maize, wheat. Ghee is a speciality. Weight of this place is 105 tollahs to a seer.

NOWSHERA (population 28,000).—It is an important military station on the banks of the Kabul river. The place is known for its rice and tobacco. A seer here equals 104 tollahs.

Other important places in the district are CHARSADDA (11,587), PARANG (10,227), TANGI (2,689) and RISALPUR Cantonment (8,016).

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Pawinda merchants It is a great centre of trade for dry fruits and drugs which Pawindas bring from Afghanistan. The exports from the place are almonds, wheat, spices, wool, etc while the imports are hardware, cotton, piecegoods, cutlery, etc.

Other towns in the district are **KULACHI** (8,425) and **TANK** (6,421).

DIR, SWAT AND CHITRAL AGENCY.

It occupies the fertile valley of Chitral River. Chitral is the headquarters of the district. Area (4,500 sq miles), population (35,000). The place is of great strategical importance to the Government of India, as it commands the principal passes over the Hindu Kush.

HAZARA.

The **HAZARA** district has an area of 3,009 square miles and has a population of 670,117. Rainfall averages 43.8 inches.

The province is situated at the foot of the Himalayan Range on the Frontier of the British Possessions in India and borders on Kashmir. Languages spoken are Hindi and Pushtu.

The important crops in the district are maize, rice, barley and wheat. Turmeric of Abbottabad, is well-known for its flavour. Vegetables are grown in the district, the most important of them being potato, pears also grow abundantly in the district. Cattle and sheep are raised and buffaloes are reared. Forests abound in the district but the majority of them are conserved by Government.

ABBOTTABAD—It has got a population of 16,165. It is the administrative headquarters. The Government of the Province is assisting the Municipal Committee and individuals in rebuilding the town which has been ravaged by fire.

The chief industries of the district consist of cotton spinning, sizing and weaving, wool carding, dyeing, boot and shoe making, furniture making, etc. Earthenwares and hardwares are made locally. Precious and semi-precious stones are extracted and collected.

Exports of the district are potatoes, aloes and pears.

HARIPUR (population 7,653)—It is a tahsil only next in importance to Abbottabad. It is 20 miles from Taxila. The chief products in the tahsil are tamarind, sugarcane, walnuts and apricots.

The important towns in the district are **MANSHERA** (5,780) and **OGHI**.

KOHAT.

The **KOHAT** district (area 2,703 sq miles, population 236,273, rainfall 16.27 inches) is very mountainous with many rivers. Among chief crops may be mentioned wheat, gram, bajra, maize, pulses, fodder crops, etc. Several salt mines are worked here, other minerals obtainable in the district being petroleum and sulphur to a small extent. Stock raising is practised.

The industries of the district include cotton spinning and weaving, carpentry, leather goods making, bricks and tiles, fireworks and oils. Lungus of this place are well-known. Other articles manufactured here are table cloth, phulkaries, and namdas.

The exports of the district are almond, spices, wheat, gram, rice, barley, green salt, mats, baskets etc. The imports are piecegoods, woollen goods, hardware, brassware, general merchandise and kerosene oil.

The headquarters of the district is at **KOHAT**, which stands near the north bank of the Kohat Toi river, 2 miles from the Southern base of the Afridi Hills. It is also a cantonment.

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It is expected to yield a return of 3 7/8 per cent. ten years after completion, i.e., in 1942-43, and 7-89 per cent. ten years later.

When the scheme is in full operation, the total area under cultivation will be nearly trebled. Wheat, the principal crop, will be increased from about half a million to about 2 million acres and those under the two other important crops, cotton and rice, from 300,000 to 822,000 and from 360,000 to 682,000 acres, respectively. The area under cotton may even reach a million acres.

Improvements are not confined to acreage alone, for it is now possible to grow crops of better quality and greater yield.

Cotton Growing in Sind:—Vigorous steps are being taken by the Agricultural Department in Sind to encourage the cultivation of long staple cotton. It is being impressed upon cultivators, that long staple varieties, fetch higher prices, in the local markets and abroad.

The rapid expansion of the acreage under cotton cultivation shows what may yet be achieved in Sind. An ultimate acreage of one million acres under cotton in Sind, in the opinion of the Chief Agricultural Officer in Sind, is well within the bounds of possibility, upon full development of the Barrage areas, in thirty years' time.

Budget:—Budget estimates for 1937-38 show revenue receipts of Rs. 8,47,50,000 and revenue expenditure of Rs. 3,47,01,000, leaving a small revenue surplus of Rs. 49,000. The Budget provides for the restoration of full grants to the local authorities for primary education. Additional provisions have been made for the extension of medical relief and grants to hospitals and dispensaries. A scheme has been drawn up for assisting and establishing small industries.

Maritime Trade:—The figures for the foreign and coasting trade of the Sind Division comprising imports and exports for the last five years are given below:—

| | 1932-33 | 1933-34 | 1934-35 | 1935-36 | 1936-37 |
|-----------------------|--------------|--------------|-----------------------|--------------|--------------|
| Foreign Trade | | | (in lakhs of rupees). | | |
| Imports | 17.87 | 14.10 | 16.44 | 15.63 | 15.71 |
| Exports | 12.01 | 14.37 | 16.54 | 17.86 | 25.21 |
| Coasting Trade | | | | | |
| Imports | 8.76 | 8.09 | 8.60 | 9.19 | 10.05 |
| Exports | 6.03 | 5.84 | 7.88 | 8.64 | 7.66 |
| Grand Total | 44.67 | 42.39 | 49.46 | 51.34 | 58.04 |

Imports:—The following table shows the principal imports in Sind during the five years ending 1936-37:—

| | 1932-33 | 1933-34 | 1934-35 | 1935-36 | 1936-37 |
|----------------------|---------|---------|-----------------------|---------|---------|
| | | | (in lakhs of rupees). | | |
| Cotton manufactures | 5.42 | 3.00 | 4.85 | 3.85 | 3.45 |
| Sugar | 92 | 63 | 43 | 33 | 6 |
| Metals and ores | 99 | 93 | 1.22 | 1.22 | 1.04 |
| Machinery & millwork | 1.12 | 1.27 | 1.02 | 1.02 | 1.15 |
| Oils | 39 | 92 | 93 | 1.12 | 1.20 |
| Woollen mnfrs | 98 | 68 | 1.07 | 58 | 59 |
| Provisions | 30 | 31 | 33 | 34 | 35 |
| Rubber mnfrs | 39 | 38 | 40 | 44 | 37 |
| Liquors | 38 | 43 | 42 | 46 | 42 |
| Hardware | 33 | 32 | 36 | 39 | 36 |
| Chemicals | 31 | 32 | 33 | 30 | 28 |
| Instruments | 44 | 44 | 48 | 51 | 57 |
| Paper & Pasteboard | 26 | 22 | 26 | 25 | 26 |
| Arms & Ammunitions | 12 | 8 | 7 | 8 | 25 |
| Apparel | 11 | 12 | 11 | 10 | 12 |

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MARKET PLACES OF SIND.

SIND formerly a part of the Bombay Presidency has been created into a new province since April 1, 1937. It comprises an area of about 50,000 sq miles and is peopled by 1,706,116 persons of which 1,241,065 are Muslims and 448,708 Hindus.

The climate of Sind is generally uniform for all years with high temperature of 117°F in May and June and an average of over 100°F from March to October. From October the temperature rapidly goes down to 80°F in December and frost is expected. Rainfall is usually negligible, being only about 5 inches, but in some years it is as heavy as 20 inches.

In Sind, the soil is alluvial while in Gujrat black cotton and gardu soils are common.

The peculiarity of the soil in Sind is that it is mostly composed of plastic clay which develops into rich mould in contact with water only. The spring crop of the division is chiefly rabi, while the autumn crop is mainly kharif. The rabi crops are wheat, barley, gram, oilseeds and vegetables, and the kharif crops consist of millets, bajra, jowar, rice, indigo, sunn hemp, til, pulses and cotton.

Sind division depends for its prosperity on the river Indus. The soil is stiff and heavy and saturated with moisture during the rains, and the variety is known as "Sailabi." The land is rich and fertile, being made so by the large amount of silt which the Indus carries in its tortuous course and deposits over the surrounding country. But rainfall in Sind is scanty and precarious, and the supplies in the Indus vary. For about eight months of the year the Indus is comparatively a small river, flowing at a very low level and most of the lands, during this low period of supply, cannot take advantage of its waters which pass down the river into the Arabian sea and are wasted. The Lloyd Barrage Scheme has put an end to this uncertainty of water supply and freed the country around from haphazard cultivation.

The Lloyd Barrage and Canals Project is the largest single Irrigation scheme undertaken in any part of India. It includes the excavation of 6,166 miles of canal and the construction of 1,970 bridges and regulators. The barrage across the river is a mile long and has 66 spans. The whole scheme cost the huge sum of 20 crores of rupees. Briefly it comprises of the construction of a Barrage across the Indus about three miles below the Lansdowne Bridge at Sukkur and the excavation of seven main canals with their branches, distributaries and water courses. The Barrage is nearly a mile long, and has been built of a creamy white limestone excepting the arches which are of reinforced cement concrete.

The Sukkur Barrage.—The scheme commands a gross area of 7½ million acres. Of this area, about 6½ million acres are cultivable. It is estimated that about 5½ million acres will actually be irrigated annually when the project has been fully developed.

The scheme has cost slightly under Rs 20 crores to build, special tools and plant alone being responsible for about Rs 165 lakhs, and the barrage and head works of the canals for another Rs 4.04 crores.

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relief of rural indebtedness, resulting (for the time being) in a contraction of credit.

Foreign Imports were on the whole more than last year (+ Rs 8 lakhs) but this was due to larger arrivals of gold and silver, valued Rs. 78.18 lakhs (+ Rs. 45.70 lakhs), of which silver alone accounted for Rs. 55.77 lakhs (+ Rs. 48.87 lakhs). The value of private merchandise at Rs. 14.03 crores decreased by Rs. 59 lakhs or 45 per cent, the articles primarily responsible being cotton manufactures (—Rs. 40 lakhs), and copra (+ Rs. 8 lakhs), on the other hand, showed a substantial improvement, and increases were also recorded under cycles, instruments and appliances, petrol, provisions and fruits and vegetables.

Foreign Exports (including treasure and Government stores) at Rs. 25.21 crores were more by Rs. 7.33 crores. The value of private merchandise amounting to Rs. 25.16 crores, represented an increase of Rs. 7.85 crores or 41 per cent, to which raw cotton, the leading article, contributed Rs. 3.72 crores and wheat Rs. 1.99 crores, shipments of the former at 296,684 tons, registered a fresh record. An appreciation in raw wool prices coupled with continued demand for the article, raised the level of its exports to Rs. 2.21 crores (+ Rs. 69 lakhs). Notable increases were also recorded under rapeseed, gram, bones, wheat flour, dried fruits, raw hides and barley.

Coasting Imports advanced from Rs. 9.19 crores to Rs. 10.05 crores or by 9 per cent owing mostly to increased arrivals of grey cotton piece-goods (Indian), white and coloured cotton piece-goods (Indian and foreign), kerosene oil, provisions and iron and steel. Petrol, spices and cigarettes came in smaller quantities.

Coasting Exports receded from Rs. 8.64 crores to Rs. 7.06 crores or by 18 per cent due chiefly to reduced shipments of cotton, seeds, wheat and gram. The salt industry of Karachi made further progress, shipments to Calcutta having expanded from 93,475 tons to 119,516 tons or by 28 per cent.

The gross collection of Customs duty decreased from Rs. 5.01 lakhs in 1935-36 to Rs. 4.54 lakhs in 1936-37.

The subordinate ports in Sind are Keti Bandar, Sando Bandar and Shahbandar. Total value of the coastal trade during 1935-36 was Rs. 3.51 lakhs. Of the total trade Keti Bandar was responsible for 72 per cent, Sando Bandar for 9 per cent, and Shahbandar for 19 per cent. Rice is the chief article of trade. Keti Bandar, Sando Bandar and Shahbandar, respectively exported 86 tons, 268 tons and 530 tons of rice to Cutch. Keti Bandar also exported firewood worth Rs. 29,376 to Kathiawar; Rs. 21,162 to Cutch and Rs. 1,138 to Karachi while Shahbandar sent Rs. 1,213 worth to Kathiawar.

An analysis of the coasting trade of Sind shows the following trends of trade.

Imports:—Indian Merchandise—Cotton yarn and piecegoods and cigarettes are imported mainly from Bombay; coal, iron and steel and gunny bags from Bengal; mineral oils and timber from Burma; fruits and vegetables from Kathiawar, Madras and Bombay; copra from Madras and Travancore; groundnuts from Kathiawar and Bombay; spices from Madras, Travancore and Bombay; and matches from Bengal, Burma and Bombay. Foreign Merchandise—Cotton yarn, piecegoods, cigarettes and motor cars and lorries were mostly imported from Bombay.

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| | 1932-33 | 1933-34 | 1934-35 | 1935-36 | 1936-37 |
|----------------------|---------|-----------------------|---------|---------|---------|
| | | (in lakhs of rupees). | | | |
| Haberdashery | 14 | 10 | 10 | 10 | 10 |
| Fruits & vegetables | 18 | 14 | 17 | 20 | 22 |
| Cycles & accessories | 14 | 15 | 19 | 20 | 24 |
| Soap | 12 | 13 | 12 | 7 | 6 |
| Glass and glassware | 9 | 11 | 13 | 15 | 13 |
| Drugs and medicines | 14 | 14 | 16 | 17 | 17 |
| Artificial Silk | 30 | 14 | 22 | 16 | 14 |
| Dyes and tans | 9 | 12 | 16 | 14 | 13 |
| Silk manufactures | 7 | 5 | 9 | 3 | 6 |
| Paints, etc | 11 | 11 | 12 | 12 | 13 |

| | | | | | |
|--------------|--------------|--------------|--------------|--------------|--------------|
| TOTAL | 16.26 | 12.96 | 15.25 | 14.62 | 14.03 |
|--------------|--------------|--------------|--------------|--------------|--------------|

Exports:—The chief exports during the same period follow.—

| | 1932-33 | 1933-34 | 1934-35 | 1935-36 | 1936-37 |
|----------------------|---------|----------------------|---------|---------|---------|
| | | (in lakhs of rupees) | | | |
| Cotton, Raw | 6.43 | 9.62 | 12.56 | 13.39 | 17.11 |
| Wheat | 1 | 1 | 8 | 7 | 2.06 |
| Wool, Raw | 75 | 1.18 | 84 | 1.36 | 2.03 |
| Rapeseed | 1.49 | 79 | 41 | 25 | 52 |
| Skins, Raw | 35 | 54 | 33 | 53 | 54 |
| Rice not in the husk | 40 | 21 | 25 | 27 | 28 |
| Wheat flour | 14 | 6 | 6 | 9 | 16 |
| Hides, Raw | 7 | 14 | 12 | 15 | 20 |
| Bones | 18 | 10 | 11 | 14 | 23 |
| Pulses | 10 | 8 | 13 | 8 | 7 |
| Gram | 22 | 20 | 16 | 2 | 16 |
| Barley | 11 | — | 9 | 2 | 6 |
| Fish, dry salted | 7 | 8 | 8 | 8 | 8 |

| | | | | | |
|--------------|--------------|--------------|--------------|--------------|--------------|
| TOTAL | 10.69 | 13.58 | 15.85 | 17.27 | 24.44 |
|--------------|--------------|--------------|--------------|--------------|--------------|

Maritime Trade:—The total sea-borne trade of the Province of Sind during 1936-37 at 58.04 crores registered an improvement of Rs 6.70 crores or 13 per cent over the figures of the previous year. The improvement was steady and the pace was faster than in the previous year, though the recovery was very much one-sided, being confined to the export trade. The value of the foreign trade, amounting to Rs 40.92 crores, appreciated by Rs 7.41 crores while that of the Coasting trade, amounting to Rs 17.11 crores, depreciated by Rs 71 lakhs.

The heavy rearmament programmes which the nations speedily took in hand did, however, provide a powerful stimulus both to internal and international commerce by raising the level of prices; it influenced greatly the volume and direction of the many ancillary trades supplying materials and machinery. It is yet too early to gauge their full influence, but it is clear that they accelerated the pace of exports of raw materials from India, in the case of wheat and rapeseed, a further stimulus was provided by the disasters to crops in the United States of America and Argentina and the ruin of harvests in Spain. Increased expenditure on armaments, while increasing industrial activity in European countries, resulted in some cases in restricting supplies to India, for example, in the case of base metals, the demand in the European countries was so great that as compared with last year, there was little surplus left for export to India. Amongst the internal factors which affected foreign imports, may be mentioned the continued growth of Indian industrial activity, particularly in textiles, iron and steel and sugar industries, and the measures passed in various provinces for the

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gram, and oil-seeds, which play a very prominent part in the world's markets, pass chiefly through Karachi in very large quantities.

Karachi also plays a very prominent part in the export of wool, and as much as about one-third of the total export from India passes through Karachi. The white wools of Sind, Gujrat and Kathiawar have a recognised commercial value, but much of the quantity enters from Afghanistan. Bones and hides also are exported in large quantities from this port, and during and after the war Karachi has captured much of Calcutta's pre-war trade.

The quantity of cotton exported in 1936-37 at 295,684 tons, broke a fresh record over the previous year's figure of 255,416 tons, while its value at Rs 17.11 lakhs was the highest registered since 1925-26. The "Sind Desi" variety of cotton was especially in demand for mixing with wool, as the price of the latter reached a considerably high level. The share of the United Kingdom in the total quantity exported increased from 23.2 per cent. last year to 27.8 per cent. and that Japan, due to forward bookings at lower rates from 34.5 per cent. to 35.2 per cent. Germany took less but this was offset to some extent by the larger quantities sent to Belgium.

Industries—Industrially Karachi is not yet a great centre. Its chief possessions are well-equipped modern flour mills and North-Western Railway workshops. Various wool, cotton and hides presses flourish, and many engineering firms also pass very busy days in this city. During 1935 there were 31 cotton ginning and pressing factories in operation.

Small industries consist of soap making and glass work, trunk and despatch box manufacturing, fish supplying, motor works, tiles manufacturing, etc., etc. Though an exporter of oil-seeds, Karachi possesses only a few oil mills and some small power driven plants. Salt is manufactured on a large scale at Mannpur Salt Works but the undertaking wholly belongs to Government.

DADU DISTRICT.

The DADU district is fertile and produces among others rich crops of rice, wheat, jowar, pulses and various sorts of fruits and vegetables.

Chief crops are —Rice, wheat, jowar, grains and pulses, sesamum, rape and mustard, gram, etc.

The district is not industrially big. Cloth, carpets, saddles, shoes, pottery are made on a small scale.

SEHWAN TOWN (population 5,795) —The local transit trade is in wheat and rice, and the local commerce is in cloth and grains. The town manufactures carpets, coarse cotton cloth and pottery. There was formerly a flourishing art of seal engraving which is now extinct.

DADU (population 7,328) is the head quarters of the district. The trade of the place consists of grains, oils, dry fruits etc.

HYDERABAD DISTRICT.

Soil of HYDERABAD is hard and firm. Sandy soil and soil highly impregnated with salt are also common in the district. The district has a population of about 6,61,589, mostly agricultural in an area of about 3,291 sq miles. The annual rainfall averages 5'7" and the climate varies greatly in the different parts of the district.

Chief crops are —Rice, wheat, cotton, bajra, grains and pulses, sesamum, rape and mustard, oil seeds, tobacco, fodder crops, fruits and vegetables.

The district manufactures blankets, cotton cloths, rugs and metal works, all of which are of superior quality and are much in demand outside the district. It still maintains its old pre-eminence for

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Exports—Jowar and bajra were exported largely to Cutch and Kathiawar, pulses to Madras, Cutch and Kathiawar, gram to Madras, rice to Bombay, Cutch and Kathiawar, wheat to Bengal (63,253 tons). Bombay (23,028 tons), Cutch (4,214 tons), Burma (3,152 tons) and Madras (2,424 tons), wheat flour to Madras, Burma, Bengal, Kathiawar and Portuguese Ports, salt to Bengal (92,475 tons), cotton to Bombay (40,672 tons), Madras (10,826 tons), French ports (1,514 tons) and Bengal (946 tons), seeds to Kathiawar, Bengal, Madras, Bombay and Cutch, fish to Burma and fodder to Bombay, Cutch, Kathiawar, Portuguese ports and Madras. Foreign Merchandise—Carriages and carts went mainly to Bombay, dried fruits to Bombay, Madras and Kathiawar, sugar to Baluchistan and cotton piecegoods to Bombay and Baluchistan.

KARACHI.

KARACHI is the capital of Sind. It is not only a seaport of Sind, but is the natural outlet and inlet for the trade of a hinterland stretching from Siestan to the United Provinces. It also embraces Eastern and Southern Persia, Afghanistan, Beluchistan, vast wheat fields of the Punjab and all the principal trade centres of Northern India.

Sind is an agricultural Province, as the rainfall is very slight and uncertain, the chief source of its water supply for irrigation depends upon the great river Indus. There are about 150 lakhs of acres of a very fertile rice land, out of which the area at present under cultivation is only 36 lakhs of acres—just only 12 per cent of the total area available.

Sind—Bombay Railway—It is proposed to construct Sind-Bombay Railway. As the proposed railway passes through the Thar Parkar district, large quantities of mineral salts there available would be provided with an economical means of transport, there would also be prospects of improved outlets for Barrage produce.

Population—In 1931 the population of Karachi was 265,565 or 224 per cent more than in 1921. The increase in the size of Karachi during the last 50 years has been phenomenal. The population of Karachi city shows a marked degree of cosmopolitanism but differs very considerably in this respect from Bombay. While in Bombay a minority of the population is home-born, in Karachi a majority of the population is home-born. This makes it in character a city of a different kind from Bombay. Karachi is essentially a trading town with an important entrepot trade. At present it occupies the position midway between a city of the Bombay type and a town of the kind that Poona (city municipality) is to-day.

Workers—There are in Karachi 281 male and 35 female workers per 1000 of the population. The difference between Karachi and Bombay in this respect is very striking, and nothing could show more clearly the non-industrial character of Karachi.

Occupations—The main occupations are industry, transport and trade, in which 189, 122 and 172 respectively per 1000 of the workers are employed. It will be seen that the ratio of workers under trade is nearly as high as the ratio of workers under industry. This is in marked contrast to Bombay.

Trade—The principal exports from the port are wheat, grains, oil-seeds, cotton, wool, hides and bones. The chief variety of wheat exported from Karachi falls commercially within the definition of "soft" wheat, but there are "hard" wheats also (red and yellow) which are grown in the Central India, these qualities find market in Marseilles and Italy for the manufacture of macaroni. Indian barley,

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MANORA—An annual fair is held during March and many people assemble there to make their purchases of cattle and fancy goods.

TATTA TOWN (population 9,635).—The road traffic of central and lower Sind passes through Tatta and is therefore an important centre of trade. Its present trade consists of silk and cotton manufactures and grains and pulses. Coarse cotton fabrics are also woven here, which are both plain and coloured. The town imports cotton cloth, rice and sugar, and exports rice, ghee, glass, fruits, vegetables and wool. The local trade is flourishing owing to increasing road traffic.

This district is served by two main railway systems on both the banks of the Indus. Besides, various steamer lines connect Karachi with Bombay outward through the Arabian sea and other ports and also inward by the important towns, but the Indus is not navigable for a considerable distance.

LARKANA DISTRICT.

The soil of LARKANA district is very fertile and is productive of many valuable crops. It contains a population of 693,678 in an area of 5,091 sq miles. Owing to its great fertility, this district is generally known as the "Garden of Sind."

The agricultural products consist of rice, wheat, jowar, pulses, sesamum, rapeseed, cotton, sugar, tobacco, indigo and various sorts of fruits in large quantities. Tamarisk which grows here in plenty and attains a fair size is much used by the inhabitants for firewood.

Chief crops are—Rice, wheat, jowar, gram, grains and pulses, rape and mustard, etc.

The manufactures of the district are coarse cotton cloth, carpets, rugs, mattings, salt, metal work, shoes, native saddles and other leather goods; dyeing is also an important industry of the district. There are several rice mills and cleaning factories and they consume enormous quantity of paddy from the surrounding districts and the locality.

The exports of the district comprise chiefly of grains of all sorts, wool, cotton and other agricultural products, viz., wheat, rice, pulses, etc., the imports into the district being chiefly English manufactured goods (piece-goods being prominent). Silk and fruits are also imported. Communication is maintained by roads and railways, the North Western Railway running through the district from Naodero in the Rato Dero Taluk to Sehwan.

LARKANA (population 26,841) is thickly populated. Local trade in metals, cloth and leather is important. The town manufactures cloth of mixed cotton and silk. Coarse cotton cloth, metal vessels and leather goods are also made here.

BURAK (population 3,002) is a centre of "Bhang" production which is cultivated under license and there is a central warehouse for storing these products here.

Other centres of trade are KAMIBAR (9,717) and RATO DERO (7,285).

NAWABSHAH DISTRICT.

NAWABSHAH is peopled by 496,612 men. The soil and crops of the district are similar to those mentioned in Sind.

Chief crops are.—wheat, cotton, jowar, bajra, gram, other grains and pulses, rape and mustard, etc.

The district is not industrially big. Cotton pressing is however done on a large scale, there being 3 factories in TANDO ADAM, 3 in NAWABSHAH, 2 in SHAHDADPUR and 1 in JHOL.

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lacquered work, and its glazed pottery and susi have a good name in the market. There are 5 cotton pressing factories in the district.

The chief imports into the district are cotton, sugar, spices and English made articles, via Karachi. The district, being situated on the banks of the river Indus, has also a good fishery. The fishes are all exported to the adjoining districts. The chief exports of the district are cotton, wheat, millet and various oil-seeds. Goods are carried by rail and also by boats. The health and climate of the district are on the whole good.

HALA (population 7,304).—The local trade consists of grains, piece-goods, ghee, cotton and sugar. The place is famous for its glazed pottery and tiles. A largely attended fair is held twice a year.

HYDERABAD CITY (population 96,021) is the centre of trade and other activities in Upper Sind. It carries on fish trade with the adjoining districts and is a Railway junction connecting it with Agra, via Jodhpur and Jaipur. This is the shortest route to Karachi from the wheat centres of U P. This town manufactures ornamental silk, silver and gold ware, matches and lacquered ware.

MOTIARI (population 6,692).—The local trade of the place includes grains, oilseeds, silk, piece-goods and sugar. Annual fairs are held in September, and October.

TANDO-ALAHYAR TOWN (population 5,146).—The local trade consists of sugar, ivory, silk and cotton clothes, cotton, oil-seeds and grains. Cotton is grown in the adjoining country and raw silk, metal pots and ivory are imported. Cotton is pressed here. The silk and ivory manufactures form the chief industries of the place.

TANDO-MUHAMMAD-KHAN (population 6,626).—The local trade consists of rice and other grains, silk, metal, tobacco, dyes, saddle cloths, matings and drugs. There is also a transit trade in rice, jowar, bajra and tobacco. This town manufactures copper and iron vessels, earthen wares, silk thread, blanket, cotton cloth, shoes, country liquor and articles of wood.

KARACHI DISTRICT.

The **KARACHI** district comprises the delta of the Indus proper and contains a population of 6,49,467. The land is cultivated by irrigation from wells, tanks and artificial canals.

The chief agricultural crops of the district are jowar, bajra, barley and sugarcane which are produced here in abundance. Rice forms the staple crop of the place but wheat, cotton, sugar-cane, millet and tobacco are also grown. Fodder crops are grown over 57,000 acres.

Its local manufactures are cotton cloth of a coarse variety from hand looms, silk scarves, carpets, rugs and metal and earthen wares. Salt is also manufactured on the sea coast by artificial means from the salt sea water. There are five cotton pressing factories in the district.

Exports from the district consist of wheat (brought from the Punjab, U P and the adjoining districts), cotton (also coming from those places), wool, hides and skins. The chief imports into the district via Karachi, one of the major and important ports, are sugar, kerosene oil, piece-goods, liquor and metals. These articles are sent to up-country by rail and are mostly consumed at those places.

KETI BANDER (population 1,655).—The exports comprise grains, pulses, oilseeds, wool, cotton, drugs, dyes, saltpetre, and fire wood. The articles are chiefly sent to the coastal ports of Bombay and Madras and it also imports from these ports and those on the Persian Gulf, the articles of import include coconuts, cotton piece-goods, metals, sugar, spices, cori and shells. Sea born trade via Karachi also exists.

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below the town is the Sukkur Barrage. The first scheme for putting a barrage across the Indus at this point was made by General Fife in the latter portion of the last century. The Rohri hills provide valuable lime quarries. There is a District Jail, and a Central Jail is being put up by convict labour. A cement factory will shortly be opened nearby.

GHOTKI TOWN—Ghotki is the Head-quarter-town of the Taluka, with a population of 4638 souls, and, is the chief trade-centre of the Taluka. Trade is chiefly of cereals, skins and wool. Carpentry, wood-carving, staining and weaving of coarse-cloth are the local industries. Annual fair of "Cheti Chand" held in April every year outside the town, where about 6,000 to 8,000 people assemble. Agricultural show is being held at this fair by the Agricultural Department.

THAR AND PARKAR DISTRICT.

This combined district lies on the border of the Thar desert in Rajputana and is mostly sandy. It has an area of about 13,941 sq miles and its 4·7 lakhs of population speak Sindhi. The soil of the district however is of light loam, which is intermediate between stiff clay and sand. At any rate the soil is not barren and can produce rich crops under favourable conditions of water and nurture. The chief crops grown are rice, wheat, bajra, jowar, cotton, oilseeds, pulses, fruits and vegetables. Wild products include elephant grass, a kind of big grass from which hand fans are made. Pahan or lotus plant and various grasses from which ropes and mats are manufactured are grown on damp soil of the place.

Chief crops are —wheat, cotton, rice, bajra, and fodder crops.

The manufactures of the district consist of woollen blankets and rugs. Camel saddles and covers and coarse cotton cloth are also obtainable. There are eight cotton cleaning and pressing factories and several rice mills here which consume the products of the districts. Salt is also manufactured in the district on a small extent.

The exports from this district consist of grain, wool, hides, fish, salt, soda and fan leaves (a kind of weed from which fine fans are made). The imports into the district consist of cotton, metals, dried fruits, dyes, piece-goods, silk, sugar-candy and tobacco.

MIRPUR KHAS (population 10,178).—The trade is in grains and cotton, which is the finest in the whole of Sind but is not obtainable in large quantities. Piecegoods are also sold here. The market sells vegetables for local consumption only. It is a Rly. Station on the Hyderabad branch of the Bikaner Ry. and the headquarters of the district. There are 3 cotton pressing factories in the town.

MITHI TOWN—Local and transit trade consists of grains, cotton, cattle, camels, ghee, dyes, hides and skins, oils, piece-goods, sugar, tobacco and wool. The trade however is not big.

NAGAR PARKAR.—The local manufactures consist of weaving and dyeing of cloths and there is a local trade in wool, grains, coconuts, piece-goods, hides and skins and metals. Besides this there is a small transit trade in grains, camels, cattle, wool, and ghee.

UMARKOT (population 3,841).—The chief occupations of the people of the place are agriculture and cattle breeding. The town is practically situated in the desert. There is a good local trade in grains, ghee, camels, cattle and tobacco. There is also a good transit trade in cotton, metals, dyes, dried fruits, ghee, grains, oil, piecegoods, wool and tobacco. Coarse cloth is the only manufacture of the place. A big fair is held in March in the temple of God Mahadeo.

A fair is annually held in this district in the town of PITHORO in the month of September and several fairs are also held in various parts of the district which are also largely attended.

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The important centres of trade are TANDO ADAM (population 13,469), SAHADADPUR (population 8,847) and NAWABSHAH (population 7,023)

SUKKUR DISTRICT.

The SUKKUR district has an area of 5,103 sq miles and a population of 6,23,876 Sindhi, Urdu and Baluchi are the languages spoken here.

Area under crops in 1936-37—Rice 1,25,000 acres, wheat 70,000 acres, jowar 92,000 acres, bajra 12,000 acres, gram 1,25,000 acres, other grains and pulses 39,000 acres; sesamum 1,400 acres, rape and mustard 14,300 acres, total oil seeds 15,800 acres; tobacco 1,270 acres, fodder crops 2,100 acres; fruits and vegetables 12,400 acres, total 4,02,000 acres.

Among the industries of the district may be mentioned cotton weaving, tassar silk, woollen goods, copper and brassware, wood carving, boat building, etc. There are several cotton pressing factories and cotton mills in the district.

The District is irrigated by inundation canals that flow only in the hot weather, and also by perennial canals which take off from the Lloyd Barrage which is just below Sukkur. The District is flat except for a line of low hills, the Rohi hills, which terminated in Sukkur, and through a gorge of which the Indus flows. At this point the River is spanned by the Lansdowne Railway Bridge, the first and largest cantilever bridge East of Suez.

ROHRI TOWN (population 16,900) produces rich crops by proper irrigation. It stands on the main line of the N.W. Ry. The trade of the place consists of grains, oil, salt, fuller's earth, lime and fruits. Tassar silk is manufactured here. Communication is maintained by rail and road. The Associated Cement Companies Sind-Works have taken a mining license for hillocks, in Rohri, with a view to start manufacture of cement.

SHIKARPUR (population 62,505) is situated on the strategic branch of the N.W. Ry. line to Quetta. It grows immense quantities of grains and pulses, and also fruits. The roadway from Sind to Khorasan via the Bolan Pass runs through this town and it is therefore of much importance as a communicating centre. It receives foreign piece-goods, raw silk, ivory, cochineal, sugar candy, coconuts, metals, coarse cotton cloths, kinkhabs, kurani drugs of all sorts, various dyes, opium, fruits, antimony, gums and hoises. The articles chiefly come from Karachi, Marwar, Bhawalpur, Khairpur and Ludhiana. The town exports indigo, senna, metals of all kinds, coarse cloth, cane sugar, opium, shields, groceries, hemp seeds, hoses, cloths and dry grain. It manufactures carpets and coarse cotton cloth. It is a large town, but is being gradually displaced by Sukkur as a trading centre, owing to its more favourable position as a railway junction, and on the River. The old trading and banking firms still exist in Shikarpur and have their Head Offices there, whose branches extend over the whole of India. The town is noted for its pearl trade, and also for its goldsmiths. There is a Municipality, and a strong panchayat and many schools, both vernacular, and anglo-vernacular.

SUKKUR (population 69,277)—Exports from this place comprise of silk and cotton cloths, raw cotton, wool, opium, saltpetre, sugar, dyes, brass and copper utensils. The upward traffic includes piece-goods, metals, wines and spirits and country products. It is a growing town, much of the Punjab grain being shipped down the River to Sukkur, where it is entrained, and sent on to Karachi. It has a flourishing bunder, and has a large country boat manufacturing industry. Just

Manufacture Pickles & Chutneys at Home. "Indian Pickles, Chutneys & Morabbas" explains the process. Industry Book Dept., Calcutta.

MARKET PLACES OF ORISSA.

ORISSA, made a separate province under the new Government of India Act, covers an area of about 30,000 sq miles. It comprises of the districts previously included under Orissa Division under the Province of Bihar and Orissa, in addition to the districts of Ganjam and Koriaput from the Madras Presidency. Population of the Province is about 8 millions and taking into account the population of the Orissa States as well, the aggregate population is estimated at 13,315,726. The language spoken throughout the province is Oriya.

The administration of Orissa was placed in charge of a Governor on April 1, 1936. But a full-fledged Government has been inaugurated after the general elections in March 1937. The Orissa Judiciary, however, is subject to the Patna High Court.

The province is a strip of alluvial coastal plain with tracts in the interior. The chief rivers are the Subarnarekha, the Baitarani, the Brahmani, and the Mahanadi. Orissa is blessed with a very large lake, Chilka by name, which abounds in fishes. The export of fresh fish takes place from the Chilka Lake by rail.

Mean temperature during the cold season is 64°F and during summer 83°F. Rainfall averages 65". Great damage is generally done by cyclones in the sea coast of Orissa.

Natural Resources.—Orissa is a great agricultural country, with vast natural resources and fertility. It is mainly a rice-producing country, with vast tracts of rich soil capable of great agricultural development. If only its rivers are controlled to avoid devastations of flood, it will be a land of wealth instead of poverty. Again, Orissa abounds in forest materials, which provide beautiful building materials, and with her coal, iron, copper, mica, managunese ores, many more industries can be developed to yield a large revenue which can be spent on combating her chronic poverty and on her nation-building activities.

The chief crop raised in the province is rice which thrives vigorously in the fertile alluvial soil of the districts enriched further by the deposit of silt due to the occasional floods in the rainy season. Other crops grown are maize, sesamum, rape and mustard, mung, kulith, turmeric and other spices. Coconuts grow abundantly in the province specially in the Puri district. Betel leaf of the province is considered very delicious. Forest products include galmuts, nux-vomica, chusa from sandal wood, etc.

The province is industrially backward, there being practically no big industry there. Bell metal wares, horn articles and silver filigree work of Orissa have a good reputation and are sent outside the province. Ice factories have been started near Chilka.

Coasting Trade.—The province imports—Kerosene, Essential seeds, Sugar, Twist and yarn, Piecegoods grey, Gunny bags, tobacco raw, Exports—Paddy, and rice. The chief port sharing the major part of this trade is BALASORE.

The above figures do not take into account the trade done at CALINGAPATAN and GOPALPUR which have considerable coasting trade and have been recently added to Orissa.

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UPPER SIND FRONTIER DISTRICT.

The district lies in the Indus plain and stretches along the Northern border of Sind for 110 miles. It is on an average about 20 miles wide from North to South. It is bordered by the Indus for fifty miles on the South East. The area included is 2115 26 sq. miles, and the inhabitants according to the 1931 census number 2,59,709 Muslims from 90.13% of the population, and among them Baluchis predominate. The common language is Sindhi.

The climate is extreme, the temperature varies through nearly a hundred degrees—126° is the highest recorded and 31.0° the lowest. Apart from the heat however the District is not unhealthy. The headquarters, Jacobabad, is the hottest place in it. Rainfall is slight and does not affect cultivation.

The whole district is irrigated by canals. In 1936-37 27, 213 acres were cultivated on the Sukkur Barrage System, which touches the District in one corner, and 5,19,861 acres on the three inundation canals and on river spill. The areas under the principal crops were: Rice 1,39,208 acres, jowar and bajra 1,17,941 acres, cotton 9,220 acres, Khairif oilseeds 2,015 acres, wheat 51,836 acres, gram 1,43,361 acres, rabi oilseeds 81,672 acres. Cotton has been recently introduced, and has rapidly become popular; it is cultivated both on the Barrage and on the inundation canals with fair success.

The District is purely agricultural, and has no mineral or other industrial resources. Charcoal is burnt in the forests along the river, and some skins, hides and wool are exported. Village industries, weaving, lacquer work, rope-making and carpet making exist on a small scale but are of no commercial importance. There are a number of rice husking mills, and a cotton-ginning factory is projected at Jacobabad.

Trade is entirely in the hands of the local Hindu bania community. Grain is the chief export, and cloth and other manufactured articles are imported.

There is a high standard of horse and cattle breeding in the district, and animals are exported to other parts of India in some quantities. The Bhagnari breed of cattle is established in the district—it takes its name from a neighbouring tract of Baluchistan.

The principal towns and villages with their population are as follows: Jacobabad (15,818), Garhi Khairo (1,989), Thul (2,982) and Kandhkot (2,953). Each of these has a grain market, and exports paddy, wheat, oilseeds and cotton (Phuttis).

The Rohri Quetta branch of the North Western Railway crosses the district from South to North, with a station at—Jacobabad. From this station a light railway runs East for 77 miles to Kashmir on the Punjab Border. A broad gauge feeder line is projected, to run South West from Jacobabad to Shahdadkot and on to Larkana, on the Kotri—Ruk section of the N W Rly. Work on this line is expected to begin before long. There are no metalled roads.

An annual Horse and Cattle Show is held at JACOBABAD in January, and attracts entries from the neighbouring districts.

fish (both raw and dry), spices, biddi and provisions. There are many brass metal factories which manufacture dishes, pots, glasses, plates etc, which are generally sent to Calcutta and Puri and are largely sold in these places. Coarse cotton cloth, bell-metal articles, stone wares and ornaments of silver are also manufactured. It is a sea-port of some minor importance.

BHADRAK (population 18283).—Rice and paddy are the chief articles of trade in this market. Besides these, buffalo-ghee, kalai and mustard seed are also available.

List of principal agricultural and cattle fairs.—Deula hat in village Deula of Bhograi P. S. lies on the Coast Canal—Rice, paddy, mat, betel-leaves, oilseeds are the chief articles of trade. Jaleswar hat in village Pathapura near Jaleswar Railway station—Vegetables, mat, oilseed, spices are the chief articles of trade. Singla hat in village Singla 10 miles east of Basta Railway Station—Vegetables, oilseeds, rice, paddy and cattle are the chief articles of trade. Sahaji hat in Remuna 6 miles west of Balasore Railway Station—Vegetables, rice, paddy, jute, brass-ware are the chief articles of trade. Barikpuri hat in village Barikpur on the O T Road, 3 miles south-west to Bahanaga railway station—Cattle are the chief trade of business. Gaudapara alias Jamhari hat in village Gaudapada, 4 miles north-east of Maikona railway station—Cattle are the chief trade of business. Budhabar i.e. (Wednesday) hat in Purunabazar of Bhadrak P S, 4 miles east to Bhadrak railway station—Vegetables, rice, jute, guni, iron-works such as scythe and agricultural implements, cattle are also sold there. Dhusuri hat in village Dhusuri, 14 miles south-east of Bhadrak railway station—Fishes and cattle are the chief trade for business.

A fair is held in Balasore town on the night of Shivaratri in February. Another important Mela is also held in the rural area at Chandaneswari Shiva temple in village Hooghly of Bhograi Police station on the Chaitra Sankranti in April. A large number of people congregate. Another famous temple is the temple of Gopinath visited by pilgrims to Jagannath.

CUTTACK DISTRICT.

The CUTTACK district lies in the Orissa division. Its area including that of Angul sub-division is 45,35 sq miles and a population of 28,17,165 speaking Oriya, Bengali, Urdu, Telugu and Hindi. The delta of the Mahanadi and the Brahmani traverses it.

Acceage under crops in 1936-37. Rice 11,56,407, marua 17,310, rape seed 8,000; tobacco 5,222; sugarcane 6,603.

The silver filigree work of Cuttack City is well-known; cotton weaving, bell metal work, lac and brass ornaments, pottery, hardware, gunny bags and basket making are the chief industries. Neat toys and sticks are made of buffalo horn, deer horn and ivory and are largely bought by pilgrims visiting the district.

The chief exports are rice (to Calcutta, Mauritius and Ceylon), oilseeds, hides, jute, timber, horn, lac, nux-vomica, bees-wax, resin and silver filigree work (to Calcutta), and bones (to Calcutta and Ganjam). The chief imports are piece-goods, kerosene oil, crockery, glassware, fancy goods, motor cars and accessories, machine oil, metals, yarn, spices and betelnuts and salt from Calcutta and Madras Presidency, jungle products, grain, oilseeds from the Tributary States and C.P.; and spices and condiments from Ganjam.

The chief trade centres are CUTTACK TOWN, and CHANDBALLI (outside the district).

CUTTACK (population 65,203).—It is temporary headquarters of both Orissa and the district and is situated on the B. N. Ry. It is 254

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Budget.—The Budget for 1937-38 showed an estimated income of Rs 1,88,58,000 and expenditure of Rs 1,84,11,000, thus leaving a surplus of Rs. 4,47,000.

Detailing the policy of Government, the Premier announced that Government proposed a remission of 1½ annas in the rupee to ryotwar-holders on land in south Orissa, the organisation of primary and secondary education and flood relief.

The following are the figures for the different major heads of expenditure:

General administration Rs 28,04,000, Jails and convict settlement, 2,94,000, Police Rs 24,17,000, Education Rs 26,19,000, Public Health Rs 2,86,000, Medical Rs 9,50,000, Agriculture Rs 1,59,000, and Civil Works Rs 22, 51,000

The main sources of income are.

Land Revenue Rs 53,47,000, Excise Revenue Rs 33,25,000, and subvention from the India Government Rs 47,00,000

ANGUL.

The ANGUL district has a population of 2,22,775 who speak Uriya and an area of 1,702 sq miles. Average rainfall 45". The headquarters of the district are at Angul, 64 miles away from Cuttack.

The principal crops are rice and turmeric which are largely exported. Millets, pulses, maize and oilseeds are grown by the Khonds.

There are coal-bearing rocks, the quality being not very good. Iron stone occurring here is locally smelted. Cotton-weaving, basket and mat making are the industries. There are also iron, brass and bell-metal works.

The trade is chiefly with Cuttack, Puri and Ganjam. The chief exports are rice, millets, gram, lentils, catechu, molasses, oilseeds, hides and horns. Turmeric, mohua, wax, honey and shellac are also exported from the Khondmal villages. The chief imports are piecegoods, salts, spices, ghee, sugar, dried fish, kerosene oil, brassware and glass beads.

The chief trade centres are ANGUL, SANKHPUR and BAGDIA. Goods are carried by carts and pack bullocks. There are also weekly markets at PHULBARI and KHEJURPURA.

A fair is held at ANGUL in January.

BALASORE DISTRICT.

The area of the district Balasore is 2,085 sq miles and its population is 9,90,600.

The chief crops of the district include rice, jute, sugarcane, pulses, etc. It is a great rice bearing tract. Acreage in crops in 1937-38 — 9,05,030, jute 1,400, sugarcane 1,500, rape and mustard 1,600, gram and pulses 7,000, fruits and vegetables 15,200, total 931,730.

There is no local industry of importance in the town, however a number of rice mills have been established in the district. At present Bidi is country cigarette is largely manufactured in town and it is somewhat home industry among the females. A Technical School has been established in the town, where various furniture of wood and iron works are made and supplied on order. Great business is done in bell-metal ware, cotton weaving and mat-making.

Exports of the district consist of hides, jute, oilseeds, mats, timber, stone-ware, rice, betel leaves and coconuts and the imports are piecegoods, glass and brass ware, medicines and spices, etc.

CHANDBALI is a sea port where steamers from the coastal ports and Rangoon touch. Both cow and buffalo ghee can be obtained here. These are exported to Calcutta by steamer.

BALASORE (population 17,843). —The principal exports from this place, which is the head quarters of the district, are rice, stoneware,

MUKHALINGAM, a village in the district is a place of pilgrimage. Its industries include fine mats, fancy baskets, flower stands, cheroot cases, etc. from a species of reed. The chief trade is in rice.

CHICACOLE (16,588).—It is an important town in the district. It is noted for the fine muslins and durable checks woven in the locality. The muslins of Chicacole was at one time the rival of the Dacca product. The industry suffered much from the machine-made fine cloth and the competitive price of these products. But finer kinds of muslins are still obtainable from the weavers by arrangement.

GANJAM—Its chief trade is in rice within the province.

GOPALPUR—It is the chief port of the district. The chief articles of export consist of grains, pulses, hides, timber, hemp, oilseed, and dried fish from the neighbouring countries. The chief articles imported consist of sugar, piecegoods, apparel, jute manufacture, matches, kerosene oil, cotton twerk, etc. The place is healthy, and is resorted to by many health-seekers, both European and India.

SRIKURMANU—It is a famous place of pilgrimage for Hindus. The most important festival here is Dolatsava held annually in Maich, when about 20,000 pilgrims assemble.

KORAPUT DISTRICT.

The district of **KORAPUT** has been newly formed from a portion of the district of Vizagapatam in the Madras Presidency. This district has an area of 10,006 sq. miles and is peopled by 9,63,617. Naturally the crops raised are akin to those in Vizagapatam, viz. rice, marua, bajra, cereals and pulses, fibres, coconuts, etc.

The chief centres of trade in the district are Jeypore and **GUNUPUR**. Local industries are insignificant. There is a sugar factory at **RAYAGHADA**.

PURI DISTRICT.

The **PURI** district extends over an area of 2,499 sq miles and has a population of 1,034,301. Oriya, Bengali and Hindi are the languages spoken in the district. Average annual rainfall is 58".

Soil is fertile but the district is subject to occasional floods. The chief crops are rice, kulthi, mung, buhi, mohua, castor oil, sugarcane, cotton, indigo. Chief crops are Rice, coconut, pulses, oil seeds, fruits and vegetables. Betel leaf, tobacco and vegetables are largely grown. The chief industries of the district are tassar and cotton cloth weaving, brass and bellmetal utensils making.

Brass, gold and silver ornaments and wicker-work baskets are made. Coarse sugar is also prepared from sugarcane. The chief exports are rice, gram, pulse, unrefined sugar, coconuts, brass, silk and the imports are raw cotton, piecegoods, refined sugar, spices, nuts, iron, tobacco, salt, kerosene oil and copper. The chief centres of trade are **PURI**, **SATYABADI**, **PIPLI**, **BALAKATHI**, **KHURDA** and **BAUPUR**.

PURI (population 37,568).—There is the famous temple of Jagannath on the sea coast. Pilgrims assemble here during the Rathajatra festival (in July) and also during the Doljatra ceremonies (in February) and make purchases of various articles of brass utensils and cloths. There is a dak bungalow.

B N Rly crosses the district and is well supplied with good roads. Important fairs of agricultural and industrial importance are held annually in this district—

Sadar Subdivision Karajpur fair:—It is held in village Harirajpur, P. S. Delang (2 miles from Khurda Road Railway Station and 7 miles from Pipili). This is held for 4 days just after Dol Purnima and takes

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miles from Calcutta and 773 miles from Madras. The local manufactures consist of sticks and pen-holders from the horns of animals. Combs, hookah pipes, toys and chess are also manufactured here. Shoes are largely manufactured and are exported to Calcutta and other places. Timber industry of Cuttack from the jungles of C P and other Native State jungles is important, and Calcutta gets a large share of its supply from Cuttack. Coloured lac churries and wooden toys coloured with lac are manufactured and exported to various places. It is also a place of important stone quarrying. It is famous for gold and silver filigree work. It has silver works and cutlery works, (scissors, dao, axe, small daggers and kukries, etc.) the products of which are largely exported to Calcutta. It imports rice, timber, salt, honey, chua, wax, lac, sticks, combs, toys of buffalo-horn, broad-bordered dhuties, chaddar, coconuts, hookah pipes, knives, bell-metal utensils, etc. The place is healthy.

KANTARHAT—Large quantities of coarse rice and paddy are imported here which are exported to Calcutta and Cuttack.

There are no industrial and cattle fairs in this district.

GANJAM DISTRICT.

The GANJAM district has a population of 2,413,291. Climate along the coast is cool and healthy.

The district is famous for the good quality of paddy grown. Green gram and horse-gram are largely cultivated and ragi is grown three times a year, but gingelly and sugarcane form the only important industrial crops. Chief crops are—Rice, maize, jowar, grains and pulses, sesamum, groundnut, coconuts, condiments and spices, fruits and vegetables, etc.

A large area of the district is preserved as forest and the products include myrobalans, gall-nuts and oranges. Alum and some quantity of manganese ore are also found here. A sugar factory, a saw mill and a tannery work at RUSSELKONDA and many rice mills exist at BERHAMPORE, PUNDI, PALASA, TILARU and AHMADAVALASA.

RAMGIRI—Timber and other hill products are exported from the taluka. Excellent oranges are grown on the hill-sides which are situated on the western part.

GEOMSUR—This is the most suitable timber-growing area in the whole district. Of the timbers obtainable, sal is the most important. The land is very fertile and is irrigated by Rishikulya project. Sugarcane is also grown here in the centre and south of the taluka.

ASKA TAHSIL—Rice is widely cultivated and sugarcane is extensively grown in this taluk. Sugarcane is treated in a Government factory at ASKA and made into sugar.

BERHAMPORE (37,750)—It is the headquarters of the district. It is the trading centre of the district. The chief industry of the town is the weaving of fine silk and tassar-silk cloth of varied colours which are in brisk demand all over India and specially in the Madras Presidency. Sugar is also manufactured here in considerable quantities. Articles available here include jute, rice, coconut, betel leaf (for which it is famous), kulthi, kalai, red pepper, turmeric, maize, tamarind, etc. There are many factories for converting sea water into available salt.

BARUVA—It is a growing seaport in the district.

CALINGAPATAM—It is a port mainly doing coasting trade. The exports include grain, pulse, myrobalans and turmeric. The imports are haberdashery, glassware and gunny bags. Exports of groundnut in 1935-36 were valued at Rs 3 lakhs.

PARLAKIMEDI (population 20,072)—It is one of the chief towns in the district. Fine mats and ornamental buckets are made here.

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MARKET PLACES OF THE INDIAN STATES.

THE Indian States in India have an area of 711,032 square miles comprising 755 towns and 187,138 villages with a population of 71,939, 187 souls, as compared with India's total area of 1,805,332 sq. miles and 2,316 towns and 685,665 villages, with a population of 318,942,480 souls. Thus the Indian States occupy more than one-third the area and less than one-fourth villages with a population of more than one-fifth of the whole country.

AKALKOT STATE.

The area of the State is 498 square miles, and its population according to the Census of 1931, is 92,605. The gross revenue of the State based on the average of the past five years inclusive of the Local Funds and other items is Rs. 7,58,022. The average rainfall is 29.79 inches. Area under forest is 4607 g. 17.

The exports chiefly consisted of the surplus agricultural produce such as jowari, bajra, ground-nut, cotton, chillies, linseed, safflower-oil, betel leaves, hides and fire-wood. The chief articles of import were rice, wheat, salt, jaggery, sugar, coconuts, groceries, bangles, hardware, copper and brass utensils, cloth, kerosene oil, petrol and bamboos. There are five ginning factories in the State. Out of these, one factory at Karajagi had no work. The total quantity of cotton ginned in the four factories was, 224 tons against 90 tons. The weavers as usual were busy with their looms and prepared saris and shirting cloths. Wagadari, Karajagi and Chapalgaon are noted for weaving industry.

ALWAR STATE.

The ALWAR STATE (area about 3,177 sq miles, population 749,751) in Rajputana is intercepted by ridges of rocky and precipitous hills. The only river is the Sabi.

The chief crops are bajra (246,000 acres), gram (244,000 acres), jowar (78,000 acres), barley (73,000 acres), pulses (106,000 acres), rape (49,000 acres), wheat (48,836 acres), sesamum, condiments and spices. Grass and bamboos grow abundantly in the State. The industries are cotton weaving and dyeing.

The State exports salt, wheat, barley, gram, piecegoods, iron cooking utensils, all of which are carried by railway. Imports include rice and sugar.

ALWAR CITY (population 47,900) has a central jail where carpets, rugs, pottery and aerated waters are manufactured. Water is brought to the city by canal system. An ice factory and two talkie cinemas have been opened.

The State produced 101,381 tons of minerals worth Rs 2,63,669 in 1936. The minerals included freestone, (Rs 35,331), flagstone (Rs 54,068), masonry stone quartzite (Rs 35,000), kankar lime (Rs 1,15,905), hardened shales (Rs 9,035), marble, limestone, slates, etc. The localities where the minerals are mined are—Freestone—Chiloni Doroli, Buntoli Dighawara, Mandla, Puthi etc (45 quarries). Flagstone—Kirwari, Saidpur, Shahpur, Beraheri, Odra, Ulaheri, Sagar Jaidi, Lali Jagol, Sagar Pahari, Toda, Fehal, Dantia, Chodala, Ram-singhpura, Kho, Santikhori, Saleta Basai, Todiar, Vijaypur Chandoli,

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place generally in the last week of February. Various industrial and agricultural commodities are sold. Besides, about 1,000 heads of cattle are brought here for sale from different parts of the district as well as from the neighbouring native states and from the district of Ganjam. Dayana-chori fair—It is a big fair which is held in village Ghoiadia, P. S. Delang generally in March. It lasts for about a week and attracts a large crowd from almost all over the district. In this fair too a large number of cattle are brought for sale. Siruli Mahabir fair—It is equally an important fair held in village Siruli within the jurisdiction of Sadar P. S. It is held in March and lasts for about 3 weeks. Various agricultural and industrial commodities are sold here as well as cattle numbering approximately 500.

Khurda Subdivision Fairs:—Atti fair—Sits for a month in the middle of January from the day of Makar Sankranti. Baruna fair—Sits for 4 days in June from Raja Sankranti.

SAMBALPUR DISTRICT.

The SAMBALPUR district extends over an area of 3,284 sq. miles. Its population is 880,753. Oriya, Bengali, and Hindustani are usually spoken. The climate of the district is moist and is generally unhealthy but temperature is never excessive. Average rainfall amounts to about 60".

The land round Sambalpur town and the north of the Mahanadi surrounding Bilaspur, is most fertile. The chief crops grown are rice, til, pulse, urid, kodan, cotton and sugarcane. Chief crops are Rice, cereal and pulses, sesamum, fruits and vegetables. The forests contain sal and bamboos and other timbers. A coal field is also situated at HINGIR-RAMPUR. Quantity of coal mined in 1934 was 28,128 tons. Iron ores occur on the hilly country and minute quantities of gold are obtained by sand washing. Antimony and mica also exist.

Tassar silk weaving is the important industry. Plain and drilled cloth are woven at REMENDA, BERPALI, CHANDERPUR and SAMBALPUR for local use generally, bell metal industry is carried on at TUKRA. Brass pots and iron implements are also made.

The exports are rice (staple), oil seeds, sleepers, dried meat and sunn-hemp. The imports are salt, sugar, gur, kerosene oil, cotton cloth, silk, wheat, gram, pulses, arhar, etc.

Local trade is done in weekly markets at SAMBALPUR and BARGARH. Cattle fairs are held at BHUKTA and JAMRULA, a large mart for oilseeds is DHAMA, TARATIA is the timber mart, BHIKANPUR is a mart for selling iron implements, NARSINGNATH and HUMA are centres of grain and cattle trade.

SAMBALPUR town lies at the head of the Mahanadi and has a population of 15,017. It is a commercial centre of the district as well as for the neighbouring States. It has a depot for cooly immigrants for Assam tea gardens. Weaving of tassar and cotton cloth is the chief industry. It is the Sadar Station and headquarters of the district. The station stands on B. N. Rly. and is 413 miles from Nagpur and 350 miles from Calcutta.

List of Fairs:—Bhukta and Jamrula, Sambalpur, (Cattle), Hunra, Sambalpur, February. (Agricultural and Industrial)

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BASTAR STATE.

BASTAR lies to the south-east of the Central Provinces and is bounded on the east by the Koraput district of Orissa. It is bordered on the south by the Agency Tract of the East Godavari District of the Madras Presidency except for a short distance along the Godavari river where it adjoins Hyderabad. Kanker State lies along the north border. The greater part of the State is a plateau which forms part of the northern watershed of the Godavari. The State is the twelfth largest in the Indian Empire, its area being 13,725 sq. miles, it is somewhat larger than Holland and somewhat smaller than Switzerland. A large portion of the State is covered with jungle and is sparsely populated. The open areas, chiefly in the east and north are well populated and contain good rice lands. The most important crop is rice, but millets, pulses and rape are also grown in large quantities. The greater part of the State has a heavy rainfall going up to 90" in parts. There are numerous hill ranges especially towards the west and south, the highest points being over 4,000 ft. above sea level. The population numbered 5,22,283 at the 1931 census and by far the greater number of the inhabitants are aboriginals, Murias, Mauias, Pargas and Bhattias, related to the Gond race. The capital of the State is at Jagdalpur, (population in 1931 census 10,128), on the Indravati, the principal river which runs across the centre of the State from east to west before joining the Godavari. Jagdalpur is connected to Raipur, C P in the north (184 miles) by a bridged and metalled road. There is also a good road from Jagdalpur to Jeypore (53 miles), Salur (124 miles), Vizianagram (159 miles) and Waltair (210 miles) to the east and it is along this road that the greater portion of the trade with the east and centre of the State is carried. There are also an additional 1,400 miles of P. W. D and Forest roads which are motorable in the open season. The nearest railway stations to Jagdalpur are Salur (B N Ry 124 miles) and Dhamtari (B N Ry. 136 miles). The trade of the northern portion of the State goes to the latter.

Trade in the extreme south of the State is by river, Kanta in the south being a river port of the Saveri, a tributary of the Godavari, down which boats ply to Rajahmundry. The principal exports in the south are timber, including teak, minor forest produce, rice and other agricultural products. In the north and east of the State the principal exports of forest produce are timber, including sal sleepers, myrobalan, lac, cattle, hides and horns. Rice and rape seed are the principal crops exported. The chief imports are salt, kerosene oil, cloth, yarn and miscellaneous metal goods. These are exported or brought in by motor lorry or bullock cart along the two main roads. There is a large and important cattle market at Geedam 46 miles west of Jagdalpur. There are also cattle markets at Jagdalpur and Lohandiguda about 20 miles west of Jagdalpur.

There are no important industries apart from agriculture and forest exploitation.

The natural resources of the State are very considerable. A large part of the north, centre and east contains valuable sal forest. There is a large amount of excellent quality teak especially in the centre and south of the State and myrobalan, wax, lac and honey, tanning bark, tassar cocoons are also important. There are large iron ore deposits, those in the Baildila range in the centre of the State being possibly the best quality ores in India. Mica deposits are also found including lithia mica. The natural fauna includes most of the animals found in Central and Southern India. Tigers are abundant as are panthers and bears. Bison and wild buffalo are found in many parts.

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Behramkabas, Mukandpura, Hamirpur, Haldika, Mandhan, Bhansar, Jhakrana Basl, Bharonkhola, Lalkhan etc Limestone—Dholayan, Palwa, Bahali, Srichandpura, Machari, Kucha, Ghatra etc (14 quarries) Barite—Khora, Makrora, Jamroli, Bhagat-ka-Bas Hardened Shales—Mehtawas Slates—Kayasa, Rewana and Khundrot Marble—Jhuri, Dadampir and Kho Felspar—Khairthal Quartz—Narol Masonry Stone Quartzite—Sonawa, Jarakhwaia, Ghagoli, and other similar quarries of State Kankai Lime—All over the State

The main line of the B B & C I Rly (metre gauge), from Delhi to Ahmedabad, passes through this State whereon ALWAR and RAJGARH are principal stations Another branch line of this railway (Agra Bandikui-Branch) touches the South-eastern border of the State

Lorry services connect the capital to the outside Nizamats and also to Jaipur and Delhi, much of the export and import has now begun to be carried on by motor trucks

Cattle fairs are held in every Nizamat annually where the buying and selling of cattle takes place These fairs have created a great enthusiasm among the rural population as besides the buying and selling of the cattle, agricultural exhibitions and demonstrations are given and sports are held

BARODA.

The BARODA State has a total area of 8,135 square miles and the total population according to 1931 census is 2,448,007 Gujarati is the State language Main crops are cotton, rice, wheat, pulses and tobacco

BARODA city is the capital of the State with a population of about a lakh and possesses magnificent palaces and beautiful gardens, besides a Museum and a Picture Gallery. It is a growing industrial centre with four cotton mills, one woollen mill, two chemical works, of which Alembic Chemical Works is the most important and other industrial concerns

INDUSTRIES—The policy of active help and encouragement of new industries adopted by the State has resulted in steady industrial development of the State There are at present 15 cotton mills, 1 woollen mill, 3 match factories one each at Petlad, Bilhmora and Baroda with a production of 587,732 grosses, a salt factory at Okha with a production of 44,370 tons and a cement factory at the same place with a production of 75,550 tons The extent of growth can be seen from the fact that the number of joint stock companies increased from 89 with a paid-up capital of Rs 34 lacs in 1924-25 to 118 with a paid-up capital of Rs 18,65 lacs in 1935-36 The development of textile industry is striking The production of piece-goods increased from 64 lacs of yards in 1924-25 to 281 lacs of yards in 1935-36

HANDICRAFTS—The State is famous for some of its handicrafts, such as lacquer work of Sankheda, "Patolas" of Patan and embroidery work with gold and silver thread, iron grill-work (balcony railings) etc

PORT OKHA—Trade at Port Okha has been developed considerably in recent years on account of the fine harbour and various port facilities and the large market provided by the State territories and adjacent area The value of sea-borne and land trade has increased from Rs 24 lakhs in 1924-25 to Rs 132 lakhs in 1934-35 The customs revenue has increased from Rs 8 lakhs in 1924-25 to Rs 14 lakhs in 1935-36

TRADE AND INDUSTRIAL CENTRES—Important centres of trade and industry are BARODA, MEHSANA, NAVSARI, PETLAD, KALOL, PATAN, AMRELI, DABHOI, VISNAGAR, PADRA, SANKHEDA etc

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lighters The port itself has accommodation for small coasting steamers. The town is the terminus of the Bhavnagar State Ry. MAHUWA, SIHORE, BOTAD, and TALAJA are other important towns in the State besides Bhavnagar.

The chief product of Bhavnagar is the Bhavnagar cotton which is of good quality. Grains, salt, etc., are also obtained and there is a good and booming trade in those articles. The chief manufactures of the State consist of making of oil, copper, and brass vessels, and cloth weaving. There are many cotton presses and spinning and weaving mills. A paper mill is under construction.

BEHUTAN.

A free State on the border of Indian, BHUTAN is mostly hilly and is inaccessible except in the southern part. The market of Bhutan continues for about 4 months like melas where the products of the place are sold to foreigners and the local men receive foreign and Indian made articles in return.

The articles of trade in the hat are ivory, rubber, honey, oranges, lac, timber, musk, ghee, wax, blanket, endi and silk cloth, tails of bison, etc. These articles are generally sold cheap on market day and the business is very profitable.

There are also rubber trees and plantations, which are locally known as Bansibat. Owing to the hilly nature of the country grains and seeds cannot be grown largely and so these have to be imported.

BIKANER STATE.

The State with an area of 23,317 square miles and a population of 9,36,218 is the second largest state in Rajputana. The population of the Capital city is about 86,000. The official languages of the state are English and Hindi, while the bulk of the people speak Marwari.

The greater portion of the State consists of sandy tracts or is traversed by undulating high sand hills. The north eastern portion is, however, very fertile and since the advent of the Great Gang Canal in the north of the State there has been considerable rise in the area under commercial crops and also in double cropped areas. There are no natural rivers at all. The average rainfall is about 12 inches per year. The chief crops are bajra, jowar, moth and gawar, while wheat, cotton and sugarcane are now beginning to be grown more extensively.

With the development of the state Railway, export and import trade has steadily grown. The chief article of export is wool which fetches better price in the English Markets than Australian wool. One Wool Baling Press, one Wool Cleaning Factory, Glass and Pottery Works, a Tile Factory, an Ice Factory, a Tannery and a Soap Factory have been established at the Capital. Considerable industrial development has also taken place at Ganganagar, the headquarters of the Gang Canal Colony Area, and a number of Cotton and Ginning Factories, flour, pulse-grinding and oil mills, together with an ice factory, a rice huller and an open pan sugar factory are already working. A large Vacuum Pan sugar factory is also about to be established.

The most important mineral worked in Bikaner State is lignite at Palana some 14 miles South of Bikaner. The exploitation of gypsum, fire-clay, fuller's earth and limestone, which have been found in Jamsar, 25 miles from the Capital, is now under consideration. The red Sand stone of Dulmera is used extensively in Bikaner and further markets are being sought outside the State. Owing to suitable raw materials at hand it is believed that a great future lies in the manufacture of cement.

Mandies or grain markets which are connected by rail, have been established at Ganganagar, Karanpur, Raisinghnagar, Gajsinghpur,

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of the State as well as the principal species of deer including swamp deer.

List of Fairs.

In JAGDALPUR TAHSIL—Jagdarpur town (Kodhobhata), (October) Kartic 4th Sukalpax one day, Fruits, Vegetables, tobacco and fish; Bastar, on Magh full moon day, Green vegetables and rice, Chapka, End of dark fortnight of Phalgun, Arrow-root, Ganibags, tobacco and rice; Tirathgarh, Magh Purnima (bright fortnight), 3 days, Fruits, vegetables and flowers

In KONDAGAON TAHSIL—Kondagaon, Phagun Astami 7 days, Keskal, Phagun Purnima, (8 days after the Kondagaon fair), 7 days, Bismampuri, after 8 days of Keskal fair, Dhanoria, after 8 days of Bismampuri fair, rice, vegetables, tobacco, potatoes and pulses

In ANTARGARH TAHSIL—Antargarh, Magh Purnima, Narayanpur, Fagun Panchami, rice, pulses In DANTEWARA TAHSIL—Dantewara, Phagun Purnima 3 days, rice, pulses and ghee In BIJAPUR TAHSIL—Bijapur, (Chikatriaj Fair), Phagun Purnima, 1 day, rice, pulses and ghee. In SUKMA ZAMINDARI—Ramaram, Magh Panchami or Dasmī, 3 days, rice, pulses, and ghee In BHOPALPATMAN ZAMINDARI—Sakalnarayan, during the fortnight immediately after the holi festival Rice, pulses, ghee, tikui, tamarind and lac.

BHARATPUR STATE.

The Bharatpur State (area about 1972 Sq. Miles, Population 4,86,954 according to the census of 1931) in Rajputana lies in the North-east of Rajputana between Lat 26-43" and 27-50" and Long 76-54" and 77-48". The extreme length and breadth being 76 and 48 miles respectively and is divided North and South almost into two equal parts by the Metre-gauge line of the B B & C I Ry. whose direction is due East and West.

The State is well known for its red and white stone quarries. The red stone is suitable for slabs, flooring and ornamental purposes. It is easily worked and has a rich handsome colour. Large quantities of this stone were used in Agra and Delhi forts and it has also been used to a great extent in the construction of New Delhi. The white stone, which is more correctly a cream coloured stone, is of a harder texture than the red stone and is used principally for ornamental work and has also been employed in the Agra and Delhi forts and in New Delhi. It can also be used as slabs for flooring purposes. In addition to these main uses, these stones are used for the manufacture of mill stones which are sent to various parts of India. Generally, the product of these stone quarries is eminently suitable for Architectural work.

The chief crops are bajra (149,093 acres), gram (134,711 acres), jowar (78,086 acres), wheat (56,124 acres), barley (41,094 acres), sesamum (22,030 acres), rape and mustard (30,886 acres), white zira (cumin seed) and spices (18,591 acres), tobacco (2,240 acres). Grass for fodder purposes grows abundantly in the State. The main industries are cotton weaving (bhusawan carpet making and silk-weaving).

The State exports are chiefly oil seeds, cumin seed, gram and ghee.

BHAVNAGAR STATE.

The State has a population of 500,274 in an area of 2,960 sq. miles. It is a first-class Indian State in Kathiawar and is the wealthiest in the province. About half of the area is regar or black cotton soil. There are 13 towns and about 700 villages in the State. The capital of the State is BHAVNAGAR which is the chief town and an important port on the Gulf of Cambay. There is an anchorage eight miles away from the port proper and the goods are moved from the steamers in

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Mirzapur and Chunar in quality. Corundum is worked in Rewa, asbestos in the Bhopal area and diamond is found in the neighbourhood of Panna. Agates and jasper are also found.

Central India was once famous for its fine cloths and muslin produced at several places in Malwa. Saris and dhotijodas of MAHESWAR have a considerable sale. The ordinary country cloth is made in many places. The manufacture of Malwa opium has declined. There are altogether 15 cotton mills in the Agency, chiefly in Gwalior and Indore. These are equipped with 313,572 spindles and 8,339 looms and are progressing well.

The chief imports to the Agency are salt, sugar, ghee, kerosene oil, hardware, machinery, piecegoods, arms, oilman's stores and wines. The exports are gram, cotton, oil seeds, opium, poppy seed and hides, a certain amount of timber from the eastern part of the State and building stone and Neemuch limestone are also exported.

COCHIN STATES.

Cochin State lies in the South-west of Peninsular India with the natural division "Malabar and Konkani," bounded by the Arabian Sea, the State of Travancore and British Malabar. The area of Cochin including its lagoons or backwaters and its extensive forest tracts is 1480 sq miles and its population according to the latest census (1931) is 1,205,016.

The soil is of three distinct varieties. On the coastal regions it is generally arenaceous and consists of recent deposits of sand and mud. In the central plains the soil is lateritic being derived from a quartzose variety of gneiss. At the foot of the ghats and in the isolated portion of the Chittur Taluk, the soil is a red ferruginous loam derived from gneiss of a micaceous or hornblende variety. The State enjoys the benefit both of the South-west and North-east monsoons. Agriculture is the main occupation of the people and nearly 54 % of the total area is under cultivation. Paddy is the principal agricultural produce. The sandy soil of the coastal regions with the blackish water of the seas and backwaters is excellently suited for coconut cultivation in those parts and the principal crops in this region is coconut. In addition, on dry land ragi, peas, beans, tapioca etc., are cultivated. The other important agricultural products are areca-nuts, cashewnuts, banana, etc. There are 11,967 acres of land under rubber plantations, 1,393 acres under coffee and 1647 acres under tea.

About a third of the State is covered with forests of the Monsoon type. 3,827 candies of teak, 739 candies of rosewood, 9,500 candies of junglewood and 7,847 tons of fuel were removed from the forests by Government agency, and 27 candies of teak, 4 candies of rosewood, 4,416 candies of miscellaneous species of junglewood and 4,600 cartloads of fuel were removed by purchasers and consumers. The minor forest products are Nux vomica, cardamom, honey, wax, grass, bamboos, etc. There are various soft wood species in the forests useful for the manufacture of packing cases and Veneers for match boxes and splints. There are 10 Match factories working in the State and their total annual production is 1,34,303 grosses of boxes. There is also export of Veneers and splints.

The coconut palm provides work to a large number of people on the coastal regions. Oil-pressing and Coir works are the two chief industries based on this. There are about 651 power-driven chucks and two expellers working in the State besides a number of country chucks driven by bullocks. The Ceramic industry is next in importance to oil-pressing and coir industries. The existence of large clay deposits in the central regions of the State is responsible for the starting of a

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Bhajnagar, Hundumalkote, Sangaria, Sadulshahi, Lakhuwali, Nokha and Gogameri

Important cattle fairs are held annually at Gogameri and Ganganagar. The Gogameri fair is held in September and a brisk trade in camels and other cattle is transacted. The Ganganagar fair is held on dates to be fixed mainly for the exchange of cattle but the occasion is also utilised for various other useful purposes such as improvement in Co operative methods and agricultural operation.

BUNDI STATE.

The BUNDI STATE has an area of 2,200 sq. miles and a population of 216,722. It is one of the most ancient and premier first class States in Rajputana. The Court language is Hindi.

The State is traversed by a double line of hills and has four passes. The crops raised during the rains are maize, jowar, (87,000 acres), mung, Wheat (70,000 acres), barley, gram (35,000 acres), gum, linseeds (18,000 acres), rapeseed (19,000 acres), etc., are grown during the cold season. Cattle, ponies, sheep and goats are available here in considerable number. There is a cotton press at DEOLI.

The chief exports from the State consist of cotton, oil seeds, pulses, opium, hides, gum, wool and ghee and the main articles of import are piecegoods, sugar, rice, salt and metals. NASIRABAD is situated about 90 miles off the capital and the Baran-Ajmer branch runs close to the capital.

BUNDI (population 22,000) is one of the picturesque towns in Rajputana, being surrounded by wooded hills.

CENTRAL INDIA STATES.

There is a marked diversity in physical aspect, climate, scenery, people and dialects in this area which may be conveniently divided into a plateau, a low lying division and hilly tracts. The people of the first two areas are hard-working agriculturists and of a sturdy physical type. The hilly tract lies along the Vindhya and Satpura ranges. The inhabitants are the aborigines, such as the Bhils, Gonds, Korkus (non-Aryans), who practice agriculture to a small extent.

Central India possesses soil of every class from rich black cotton soil (covering the greater part of Malwa) to the dry stony red earth (met with near Bundelkhand). The principal crops of Central India in 1,000 acres are—Rice (90), wheat (1,268), barley (66), cholam (1,104), bajra (142), maize (126), gram (398), pulses (375), linseed (85), sesamum (172), groundnut, (24), condiments and spices (16), cotton (816), fodder crops (211), sugarcane (17), sann hemp (10), total (5,135), arhar, kutki, urid, masur, barley and sunn. Betel, ambari tobacco and poppy are also grown. All the usual species and vegetables met with in Northern India are grown here. The deciduous forests of Central India produce timbers, fruits or sap (mohua, khair and sal).

Diamond and coal are obtainable here on the Gondwana rocks in the south of the Rewa State (Umaria), copper is found at BARDI and TAGWA in Rewa, lead at BARGOA near Bardi and also in SEONDHA hills in Datia, iron throughout the Vindhya rocks near Hirasut in Bijawar State (once a famous centre of iron smelting), near Bawalaha in Indore and manganese in the Gwalior State and in Jabalpur.

Central India is unusually rich in materials of construction, viz, building stone (sandstone of the Vindhyan series). Neemuch and Sutra limestone are exported in considerable quantities. Kymore sandstones of Bhopal are of deep, purplish red colour and match with those of

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CUTCH.

The STATE, with an area of about 7,676 square miles, has a population of 513,829 who speak Cutchi and Gujarati. The soil of the State of Cutch is generally sandy but the major portion contains good arable soil and is therefore easily tilled. Wheat and barley of different qualities are cultivated. Cotton, grains and pulses are also grown, besides many other garden products and vegetables of all varieties. The cost of labour is high in the State. Irrigation is practised over a considerable area but wells are the chief source of irrigation.

Trees in Cutch are limited in number, prominent trees being neem, pipal and babul, which are met with near the villages. Mango trees require great care here.

Among domestic animals mention may be made of camels which are famous for their fitness. The state of Cutch is also famous for its horses.

Among minerals, iron and coal are found, but now, iron is no longer smelted and worked; so also is the case with coal, whose bed is very thin and so cannot be mined. Alum and a coarse variety of saltpetre are also found. Yellowish marble of good quality is also found in the State at KHAVDA.

Trade of Cutch is mostly carried by sea. The chief imports are grain, butter, sugar, groceries, fruit, and timber, and of manufactured articles, iron, brass and copper ware, cloth, furniture, stationery and ivory goods are worth mentioning. The exports from the State consist of alum, cotton, millet, pulse, garlic and silver ware. In addition to the beautiful embroidery and silver work for which Cutch is chiefly noted, its manufactures of silk and cotton (cloth) are of some importance.

MANDVI—It is the chief port of Cutch. Steamers from here sail to Arabia, Maskat, Sind, Kathiawar, Bombay and Malabar. (Population 25,000)—This is a port of call of all steamers in the British India line. There are two light houses.

ANJAR (population 20,000)—There is a temple with the image of Jaipal, the brother of the Chauhan Prince of Ajmer, on horseback, and it is said that he built the town.

BHUJ (population 27,000)—There are Post Office, Central Jail, Library, School of Art, High School, Hospital and Dispensary. The place is chiefly interesting for its archaeological monuments.

JAKHAN (population 6,000) carries on a large trade with Bombay exporting grain and importing piecegoods, groceries, timber, sugar, oil and dates. It will be a port of some value in the near future.

NALIYA (population 7,000) is a most thriving town in Cutch. The residents of this place are generally retired merchants who have made their fortune either in Bombay or in Zanzibar and have settled here for the rest of their lives.

DHAR STATE.

DHAR STATE (area 1,777 sq. miles, population 243,430; languages, Hindi, Marathi, Nimadi, Malwai)—Cotton weaving is largely practised in towns and villages. Printing of cotton fabrics in various colours is done at several places including **DHAR TOWN** which is 35 miles west of Mhow Rly. Station. Manufacture of opium is important. Besides the manufacture of agricultural implements, ornamental wood work is turned out at **DHAR** and **GUGRI**. Toys are turned and lacquered in bright colours. Tanning, oil pressing, gur making are done. Bidis are made from tendu leaves. The chief imports are rice, salt (from Gujarat and Rasiyam), groceries (from Bombay, Mhow, Indore), cloths (from Nagpur, Ahmedabad, Madras), silk textiles, lace,

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number of tile factories. There are at present 35 tile factories and their total production is 15 million tiles and bricks, etc. There is also a Government Stoneware Factory at CHALAKUDY doing the manufacture of glazed wares such as pickle jars, bung jars, stew pots and many other useful household utensils. There are two large textile mills with a total number of 50,000 spindles and 400 looms, 2,500 hand looms also are working in the State. The other important industries of the State are fish curing, arecanut curing, furniture making, bell-metal casting, etc., etc.

The backwaters and canals of the State provide easy and cheap means of communication within the State as well as the neighbouring States of Travancore and British Malabar. Besides, there is the Cochin State Broad Gauge Railway running from one end of the State to the other (i.e., from Shoranur to Ernakulam). This is being extended to the Cochin Harbour. The 'Cochin Express' takes anyone from Madras to the Capital of the State within less than 14 hours. In order to facilitate the transport of Forest produce a tramline of about 48 miles in length has been constructed which joins the Railway at Chalakudy and which extends as far as Parambikulam.

COCHIN (MATTANCHERY) is the most important commercial centre in the State. It is a natural harbour and Cochin is the third Port on the west coast. Most of the exports and imports of South India pass through this Port. The chief exports at this Port are ropes, coir-mats, and matting, rugs, cocoanut oil, copra, oil cake, ginger, pepper, etc., and the imports are sugar, rice, paddy, piecegoods, hardware, stationery articles, etc. ERNAKULAM is the capital of the State. TRICHUR is a very important internal trade centre. TRIPPI-UNITHURA, IRINJALAKUDA, KUNNAMKULAM, WADAKKANCHERY and CHITTUR are some of the other important towns and trade centres of the State.

COOCH BEHAR STATE.

COOCH BEHAR STATE (area, 1,318, sq miles, population, 590,866, language, Bengali) lies in Bengal.

The staple crop is rice. Other food crops are chana, kaon, maize, mung, masur, khesari, thakari, kulthi, arhar and oil seeds, all of which are extensively cultivated. Tobacco of Cooch-Behar has a high reputation and is sent to Burma for making cheroots. Jute is grown (HALDIBARI and CHAURAHAT are important) and commands high price in Calcutta. Sugarcane is also cultivated.

Rough cloth from silk and endi worms are woven. Excellent gunny cloth is made at MEKLIKANJ, ghee and mustard oil are made in large quantities.

The chief exports are tobacco, jute, rice, mustard seed and oil; and the chief imports are piecegoods, kerosene oil, salt, sugar, molasses, brass, copper and earthenware utensils. The centre of trade is at MEKLIKANJ and LALBAZAR. Some trade exists with Dacca by river. Rice is sent to Duars or to Seraganj by boats. The Tista is navigable and the State is connected with railway (E B Rly).

The area of the capital town of same name is $2\frac{1}{2}$ sq miles.

An Agricultural, Industrial and Public Health Exhibition was held on the 17th November, 1937. Elaborate provisions were made for practical demonstrations and lectures in connection with public health, agricultural improvement and the care of cattle. Lectures and demonstrations were also given on the processes of weaving jute, cotton, silk and endi, of autoknitting, embroidery and the making of Sataranchi, Gur, Satti, soap, confectionery &c. The exhibition lasted for 10 days.

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grown are mustard, sesamum and castor seeds, castor oil being sometimes used by the poorer classes for cooking. Sugarcane is extensively cultivated and a considerable export trade is carried on in the sugar manufactured. Wheat grows luxuriantly in the hill area of the Kala-handi State. Cotton is largely grown, but is mostly of an inferior quality, a good deal of it is locally manufactured for home use, but a certain quantity is exported. Tobacco is raised on the rich silt deposits of rivers and near homesteads, where cattle manure is plentiful. Turmeric is extensively grown for export and all the ordinary vegetables are cultivated, the commonest being the brinjal or egg-plant and pumpkin. The forests produce various edible roots, such as the large yam (kanda), arrowroot (tikhuri).

MINERALS:—The basin of sedimentary rocks known as the Talcher coal-field extends about seventy miles with a general breadth of from fifteen to twenty miles. It comprises nearly the whole of Talcher, and a considerable portion of RAIRAKHOL, with smaller parts of ATH-MALLIK, and DHENKANAL. In several places in the Talcher field, iron is worked. Sometimes the iron stones of the Damodar beds are used, but more frequently surface concretions, the supply of which is necessarily limited. The method of smelting the iron in small furnaces is similar to that in use in other parts of India, but the bellows employed are worked with the foot. The KEONJHAR State is believed to contain good deposits of iron. The enormous resources of iron ore in the GURUMAHISINI hills in MAYURBHANJ State are well known and are exploited by the Tata Iron & Steel Co. at Jamshedpur. Lime stone quarries are worked near BISRA along the bank of the Koel river in the north-eastern portion of Gangpur. Lime of excellent quality is produced and exported to Calcutta and elsewhere. Deposits of manganese are found in several parts of this State. Graphite of good quality is found in KALAHANDI State. Graphite is also found in ATHMALLIK and PATNA. Bauxite is found in this State as a superficial deposit. Dolomite deposits in GANGPUR State have been worked. Manganese in fair quantity is found in the same State. The granite quarries in the NILGIRI State have been exploited. The hills bordering on BALASORE consist entirely of metamorphic rocks of various kinds. A kind of black magnesia rock intermediate in composition between potstone and serpentine, approaching the former in appearance, but less greasy in texture is quarried to some extent chiefly for the manufacture of stone dishes, plates and bowls. The stones are roughly cut into shape in the quarry, and finished, partly with tools and partly on a lathe, in the village.

CATTLE —Buffaloes and bullocks are employed in ploughing, cows and she-buffaloes are prized for their milk.

INDUSTRIES —Sericulture is also being carefully and scientifically carried on in the States of MAYURBHANJ, DHENKANAL and KEONJHAR, both shrub and tree mulberry are grown.

The States are not remarkable for any very special manufacture, at KANTILO in the KHANDPARA State and in the NARSINGPUR State a considerable manufacture of brass utensils is carried on, these find their way throughout the States, but are entirely of the ordinary pattern and in no wise remarkable either for design or workmanship. The next most important industry is the weaving of tussar cloth at SONPUR and BINKA in the SONPUR STATE.

Silk and cotton cloth of excellent quality and artistic patterns are manufactured at MANIABANDHA in the BARAMBA STATE. In the States of RAIRAKHOL and ATHMALLIK a considerable number of blacksmiths find occupation in smelting iron, which is of excellent

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etc (from Poona), hardware, stationery, books, coconuts, piecegoods, etc. The chief exports are wheat, gram, jowar and maize to the neighbouring States and Bombay. Cleaned cotton is exported to Indore and Khandesh, oil seeds to Bombay, opium to Bombay, tobacco to Maiwar. The chief centres of trade are DHAR, KUKSHI, and DHARAMPURI and KUKSHI are well-known and attract customers from Khandesh and Bera.

DHHRANGADHRA STATE.

The State has a population of 88,961. Its area is 1,167 sq miles exclusive of the area of the Dhrangadhra portion of the Runn. It is a first-class State. The capital town is DHHRANGADHRA on the Runn of Cutch.

The Soil is eminently suited for cotton cultivation, though grains of all kinds are also grown. The Dhrangadhra cotton has a reputation of its own for purity of strain and length and quality of its staple.

The State possesses unlimited resources for producing a very high grade salt resembling sugarcandy. A very large factory for manufacturing soda alkalis as bye products from salt has also recently been erected by the State being the first venture of its kind in India. Other manufactures are magnesium chloride, copper and brass utensils, stone ware, grinding mill stones, handmade cloth, snuff, etc. There are 4 ginning factories and one cotton press in the State.

The State owns a metric-gauge Railway of 41 miles from Wadhwan Jn to Halvad besides a siding of 14 miles connecting the Salt Works at Kuda with Dhrangadhra.

DEHROL STATE.

The principal crops of the State (area, 282.7 sq miles, population, 27,653) consist of sugarcane and grains, and molasses are largely exported. Coarse cotton cloths are woven by handloom to a small extent. It is a second-class State, 32 miles north-west of Rajkot and 28 miles from east of Jamnagar.

EASTERN AGENCY.

The EASTERN AGENCY consists of a number of dependent territories including the following States: Athgarh (50,148), Talcher (69,631), Mayurbhanj (886,745), Nilgiri (88,598), Keonjhar (460,667), Pal-Lahara (27,957), Dhenkanal (84,328), Athmalik (64,276), Hindol (48,897), Narsinghpur (40,882), Baramba (46,689), Tigania (24,830), Khandpara (77,930), Nayagarh (142,399), Ranpur (47,713), Despalla (42,650), Band (135,248), Bania (151,259), Raurakhol (35,715), Sonpur (237,945), Patna (566,943), Kalabandi (513,675), Gangpur (356,388), Bonai (80,144). They have a combined population of 4,461,675 and a total of about 30 thousand square miles.

CROPS—The States form a succession of hill ranges rolling backwards towards Central India. The intermediate valleys yield rich crops in return for negligent cultivation and a vast extent of land might be reclaimed on their outskirts and lower slopes. Cultivation is, however, rapidly extending in all the States, owing to improved means of communication and to the pressure of population in the adjoining British districts. The principal rivers are the Mahanadi, the Brahmani, the Baitarani, the Burabaling, the Ang and the Tel.

The staple crop is rice, of which generally speaking two varieties are grown, viz., aus or bial, reaped in September and aman or sarad, the late winter rice and chief crop of the country. This principal food crop is supplemented by millets, such as china, mandia or marua, etc., and maize and pulses form a large portion of the dietary of the people, including birhi, mung, kulthi, arhar and gram. The chief oilseeds

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Stone quarrying is an old industry of the State. Out-put of lime and black stone is very large, but the great distance of quarry pits from the markets hitherto came in the way of the development of this industry.

Of the total area of 42,400 acres covered by forests, 11,000 are grass reserves. GONDAL owns 106.24 miles of railway from Dhasa to JAM-JODHPUR.

GWALIOR STATE.

GWALIOR STATE is one of the first class Treaty premier States in India having direct Political relations with the Government of India. It lies in Central India between North Lat. 22-10' and 26-52' and East long 74-38' and 77-38'.

The State has an area of 26,480 sq miles and population of 35,23,070 persons according to the Census of 1931. For the purpose of Administration the State is divided into Two main divisions, (1) The Gwalior Prant and (2) The Malwa Prant, comprising the following eleven Districts—

GWALIOR PRANT—1. Gwalior, 2. Bhind, 3. Morena, 4. Sheopur, 5. Shivpuri, 6. Guna, 7. Bhilsa. MALWA PRANT—8. Ujjain, 9. Shajapur, 10. Mandla, 11. Sardarpur.

The gross area cropped during the year 1935-36 was 62,43,353 acres) of which the Food Crops and Non-food Crops occupied 46,16,195, and 11,54,179 respectively, besides the area cropped more than once was 5,02,499 acres. The chief crops were wheat (15,96,914 acres); jowar (12,79,121 acres), gram (8,02,210 acres), pulses (2,06,701 acres), bajra (1,45,567 acres), maize (1,67,147 acres), barley (1,15,227 acres); linseed (1,12,047 acres), sesamum (2,17,030 acres), rape and mustard (44,497 acres), sunn and hemp (39,164 acres), cotton (6,04,868 acres). Sugar-cane growing which has become a very important topic of the day occupied 15,337 acres as compared with 9,988 acres in the preceding year. The total number of persons, cattle and ploughs engaged in Agriculture according to the Census operated in the year 1935-36 was 29,23,261, 12,89,559 and 5,32,568 respectively.

The State is also rich in her Mineral and Forest Wealths the details of which are as under:—

MINES AND MINERALS.—Bauxite, Iron ores, Manganese Ores, Galena, Copper and Iron pyrites, Green-earth, Pottery clays, Ochres, Mica, Limestones and other materials viz Quartz, Sand Stone, Reh, and Salt-petre, for the manufacture of glass.

FLORA AND FAUNA.—The chief trees and plants which are generally found in forests are Teak, Salar, Lac, Tannins, Acacia, Catechu (Khan), Adina Cordifolia (Haldi), Bassia Latifolia (Mahua), Dalbergia Latifolia (Kah Sesam), Bombax Malabaricum (Santal), Steculia urens (Karan).

Amaltas, Dashmul, Mom (Wax), Pipapra, Mush Safed and Shah, Gums, Teopal, Haisingar, Chirounji, Tendu, Oil Yielding and colour dyeing plants and a good variety of grasses are found in the Gwalior Forests. Almost all the vegetables and flowers growing in the plains of India, are found in the Gwalior State.

Tigers, Sambar, Deer, Nilgai, Bucks, Chinkaras and Fox, Jackal, and Leopard are found in the State. Species of oriental birds viz Pigeon, Hawk, Mynah, Cuckoo and herons are also visible in the State in large numbers.

The area occupied by the Forests amounted to 22,43,970 acres in the year 1935-36.

TRANSPORT AND COMMUNICATIONS.—The State has an all round and magnificent means of the Transport and Communications. G. I. Ry. and B. E. C. I. Ry. lines traverse the State.

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quality and highly valued. In BAND, DASPALLA, DHENKANAL, KHANDPARA, MAYURBIHANJ and TALCHER blacksmiths make, for local use, iron implements, such as axes, bill-hooks, crow-bars, shovels, spades, sickles and knives, some of which are very well turned out. In DHENKANAL and NAYAGARH ivory work of good quality is still made by two families, and in BAND there are skilful silversmiths. In BONAI the Bhumi fashion utensils from the soap stone found there and similar vessels are manufactured. In the NILGIRI STATE in almost all the villages of the States are found the local cotton weavers, the cloth woven is very coarse, it is however, very much more durable than the mill-made article. The villages are self-contained with their own blacksmith, potter, carpenter, etc.

Traders in the States are represented by itinerant dealers from the British districts, there are but very few local traders. Trade is carried on principally in rice, pulses, oil seed, etc., and timber, and other forest produce in return for salt-dried fish, imported cotton piecegoods, cotton twist and kerosene oil, tussar, cocoons are also exported. There is a considerable export trade in hides and horns. Most of the export and the import trade is carried on with Cuttack and to a smaller extent with Balasore, Puri and Sambalpur.

GONDAL STATE.

The State of GONDAL covers an area of 1021 sq miles and is peopled by 205,846. Rainfall is 38 inches on an average.

As agriculture is the main occupation of the majority of the people, the chief items of trade are field produce viz groundnuts, cotton, food grains and sugar-cane. There is a brisk trade in ground-nuts. Expellers and oil mills are daily threshing out tons of seeds and extracting maunds of oil in GONDAL, DHORAJI, UPLETA and BHAYAVADAR. The oil is partly consumed in Kathiawar and partly exported. The principal article of trade is food grains. The grain market at Gondal has become a flourishing trade centre.

HANDICRAFTS—There were 1,046 hand-looms for weaving cotton and 141 looms for weaving wool. The craft of hand-loom weaving has by no means fallen an easy victim to the competition of mills as had been feared by many. The work is often more durable and designs more acceptable than those produced by the textile mills. Wherever there are hand-loom weavers there are found Khatius—professional dyers of cloth, Bhavais—calico printers and Bandhini workers.

Embroidery on silk and cotton cloth in gold, silver and silk thread is produced at GONDAL and DHORAJI. Weaving of embroidered silk is a fashion with the Mahomedan ladies and gentlemen. Such silks are worn by Hindu ladies only on festival occasions.

Weaving of woollen blankets is carried on in several parts of the State. Gondal produces good quality of wool. It is usually cleaned by the Mussalman Pinjarias and is warped and sized by the weavers. The best blankets are the Dhablas of Dhoraji.

DHORAJI is famous for its wood work turned on lathe, cots, cradles and toys. Country carts and implements of agriculture are made in many large villages.

POWER INDUSTRIES—There are hand-mills for corn grinding and pounding and husking rice at GONDAL and DHORAJI. Brass-foundry at GONDAL turns out parts of heavy machinery, and articles of furniture. Nut-crackers made in this foundry are in great demand in several parts of India. A sugarcandy concern at UPLETA manufactures crystal sugar. There are 2 cotton presses and 9 ginning factories in the State. The ice factory at GONDAL manufactures and supplies pure ice to the Gondal and DHORAJI divisions. A factory for tanning hides is owned by a Mahomedan merchant at UPLETA.

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in the State are those which utilize for their manufacture raw products of Gwalior origin. Therefore, industries connected with cotton, wheat, oilseeds, stones and clay, sugar and bones deserve consideration.

It may also be mentioned here that the Gwalior Darbar have granted to cotton spinning and weaving mills the following concessions—1 Land required for the erection of Mills is granted free, 2 No customs duty is charged on.—(a) Articles imported for the working of the Mills and (b) Exports of cloth manufactured by the Mills

IMPORTANT CENTRES—The following is a description of important centres of trade in the State—

LASHKAR—It is the seat of the Government and lies on the Agra Bombay Road at a distance of about one mile from the Gwalior Railway Station. It contains a public park, a number of fine public and State buildings, palaces and offices. There are two Hotels (Grand Hotel and Park Hotel) close to the Railway Station. Besides, it is an important trade and industrial centre of the State. There is also an office of the Chamber of Commerce to watch the interests of the mercantile community in the State as well as in outside places.

BHILSA.—Is the headquarters of the district of the same name lying on the G. I. P. Railway. It is a mandi, (market) for the State produce, chief of which are grains, pulses, linseed and cotton. Apart from this it is a place of historical interest and contains the ruins of ancient buildings.

SHIVPURI—It is the headquarters of the district of the same name lying on the Agra Bombay Road. A branch of the Gwalior Light Railway runs to the place from Gwalior. It is famous as a health resort of the State and also has increased in importance as a trade centre for grains, oil and linseed, and grocery.

BHIND.—It is the headquarters of the district of the same name lying on a branch of Gwalior Light Railway. The Export of cotton and the manufacture of brassware form the staple industries. Ghee is procurable in abundance in the district.

MORENA—It is the headquarters of the district. Morena and lies on the Delhi Bombay G. I. P. Railway main line. It is noted for the trade in grains and pulses.

SABALGARH—Lies on the Gwalior Sheopur section of the Gwalior Light Railway and is noted for wood carving, Lacquer and Metal works.

SHEOPUR—Is the headquarters of the district of the same name and lies on the Gwalior Sheopur section. The place is famous for lacquer work and wood.

GUNA—Is the headquarters of the district of the same name and lies on the Agra Bombay road. It is also a Railway Station on the Kotah Bina section of the G. I. P. Railway. Grains, rape and Dhanla form the chief exports of the place.

CHANDERI—Is a town in district Guna situated in a great hollow of sand stone hills having a very fertile soil. It is famous for the manufacture of fine muslins with borders and coloured silk and gold threads.

UJJAIN—Is the headquarters of the Ujjain district situated in the centre of Malwa at the bank of the sacred river Shipra. It is also the junction of Nagda-Ujjain, Ujjain-Fatehabad, and Ujjain Bhopal Railway sections. Being the biggest cotton market in Central India and an industrial centre exports steam pressed cotton bales and cloth to foreign places. Besides, wheat, cotton-seed, jowar and bajra are exported in large quantities.

MADHAVNAGAR (Freeganj)—Is a mandi in Ujjain close to the Railway Station. With the idea of centralizing the foreign trade in

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Besides the above, a Transport with the name and style of the Gwalior and Northern India Transport Company Limited is financed and controlled solely by the Gwalior Darbar. The Company has its head office at Delhi and Central Depot at Mhow, in addition other sub depots at various places in Central India, through which tract most of the services of the Company ply.

There are two wireless stations, one at the Gwalior Fort and the other at Shivpuri. A well-equipped Broadcasting station in Gwalior is under consideration. Gwalior has, also, been connected with the other Centres of India through Telephone lines. The State maintains its own Post Offices.

ROADS—Almost all important places in the State are now connected by metalled roads and their mileage amounts to 2,227. The roads are maintained under the Department of Public Works.

AIRWAYS—With the inauguration of Messrs Tata Sons mail and passenger service between Bombay and Delhi, Gwalior has become an Airway station since November 9, 1937. It affords facilities for landing of Sea planes on the water of the Tigr Lake (Madhvasagar).

IMPORT & EXPORT—The following table shows the Imports and Exports of the principal commodities for the year 1935-36—

| Commodities | Import | Export (in rupees) |
|---|--------------------|-----------------------|
| Grains | 21,27,129 | 15,39,771 |
| Sweets | 31,38,723 | 22,361 |
| Ghee | 1,89,236 | 49,92,063 |
| Oil and Greasy things (Excluding Ghee) | 8,52,517 | 17,36,818 |
| Grocery (Kiana) | 17,88,801 | 10,37,477 |
| Metals | 20,00,399 | 1,31,373 |
| Fibres and Fibrous articles | 46,47,425 | 34,84,597 |
| Intoxicating Drugs (Excluding Opium) | 26,509 | 186 |
| Fire Works and Explosives | 55,140 | 1,025 |
| Wood and Fodder | 11,41,559 | 6,89,669 |
| Stone and Clay | 2,66,265 | 83,328 |
| Haberdashery | 55,68,976 | 4,22,433 |
| Cattle Leather excluding Pro- tective duty | 1,24,186 | 18,82,690 |
| TOTAL | 2,22,26,865 | 2,99,20,767 |

INDUSTRIES—The number of factories and industrial concerns in the State is 432 of which the following deserve mention—Gwalior Engineering Works, (Lashkar), Gwalior Leather Factory & Tent Factory (Morai), Gwalior Potteries Limited (Lashkar), Gwalior Electric Supply Co., (Lashkar, Shivpuri, Ujjain); Gwalior Water Works (Lashkar), Aliyah Darbar Printing Press (Lashkar), Jayajirao Cotton Spinning and Weaving Mills Ltd Gwalior, Motilal Agrawal Spinning and Weaving Mills, Gwalior, Hira Cotton Spinning & Weaving Mills, Ujjain, Binod Cotton Spinning and Weaving Mills, Ujjain, Deepchand Cotton Spinning and Weaving Mills, Ujjain, Nazarah Cotton Spinning and Weaving Mills, Ujjain, Malwa Hosiery Factory, Ujjain, Tobacco Factory, Lashkar, Stavardis Carpet Factory, Lashkar, Gwalior Taxidermy, Lashkar, Nib Factory, Lashkar, Gwalior Gota Factory, Lashkar, Gwalior Cement Company, Banmore, Imperial Match Factory, Gwalior, Scindia Sugar Mills, Dabra, Onkar Flour Mills, Ujjain.

There are 122 ginning and cotton presses situated at important trade centers. The large scale industries most likely to be successful

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MARKET PLACES OF THE INDIAN STATES. 525

There are 28 towns, with a total population of 2,92,562 and 3,859 villages with 10,32,527 inhabitants. About 60 per cent of the rural population lives in small villages of less than 500 persons.

The chief occupation of the people is agriculture. In the City, the chief industry is cotton.

The number of Joint Stock Companies stood at 21 at the end of the year under report as against 18 last year. The following 3 companies were registered during the year—(1) The Central India News Papers, Ltd., (2) The Shree Agrasen Nurbada Mills, Ltd., Burwaha, and (3) The United Rubber and Tyres, Ltd., Indore. The authorised capital of the working companies stood at Rs 2,83,67,500 as against Rs 2,62,87,500 during the previous year, the subscribed capital being Rs. 2,20,59,970 as against Rs 2,20,45,900 in the last year. The number of registered associations was 8 as against 7 in the last year, the new association registered being The Central India Homoeopathic Association, Indore.

The 7 cotton, spinning and weaving mills worked on 5,760 looms and 1,98,764 spindles employing on an average 15,819 operatives during the year—13,447 males, 1,743 females, and 629 children. The mills consumed 1,09,443 bales of cotton, producing 3,70,80,061 lbs. of cloth. They sold 3,71,20,975 lbs of cloth during the year under report. The ginning factories ginned 21,36,840 maunds of raw cotton, as against 14,72,736 maunds during the previous year.

The distillery at BURWAHA manufactured 96,008 15 gallons of ordinary country spirit and 5,545 68 gallons of flavoured spirit as against 71,122 16 gallons of country spirit and 3,273 66 gallons of flavoured spirit in the preceding year.

Poppy covered 1,833 06 acres. The total yield of crude opium was 490 mds., 38 seers, and 15 chhataks, an average of 10 seers and 11 chhataks per acre. Out of the total produce, 485 mds., 16 seers and 12 chhataks were supplied to the Government of India.

HYDERABAD STATE.

HYDERABAD STATE is, properly speaking, an extensive plateau with an average elevation of about 1,500 ft above sea-level. The northern and western portions, are inhabited by the Marathas and the Kanarese while the southern portion (the granite country) is inhabited by the Telugu speakers. It is an extensive Indian State in Southern India with an area of 82,698 sq miles and a population of 14,436,148. The chief city and capital of the State lies on the bank of the river Musi at a distance of 986 miles south-west from Calcutta.

The northern portion, the soil of which is black cotton, produces wheat and cotton and the southern portion has many tanks and produces rice generally. On the whole the northern part is more fertile and covered with luxuriant vegetation than the southern portion, the land of which is generally sandy. The hills or ranges are often covered with forests and timber mostly acacia arabica.

The principal minerals found in the State are diamonds, gold and coal. Diamond occurs in the Kurnool series of rocks, gold in the Dharwar series and coal in Barakar series in the Godavari-Franchita-Gondwana system.

There are many places of historical and archaeological interest in the State. Chief among them are Ellora, Ajanta, Aurangabad, Osmanabad, Golconda, GULBARGA, Warangal, Raichur, Muhal, Farendra and Naldrug.

The crops of the State include rice, wheat, gram, pulses, jowar, bayra, ragi, maize, linseed, sesamum, groundnut, castor, sugarcane, sann hemp, tobacco, fodder crops, fruits and vegetables etc.

Manufacture Tobacco, Snuff, Surti, Zarda, etc., Read Indian Tobacco & Its Preparations Re. 1/8. Industry Book Dept., Shambhazar, Calcutta.

the State, this Freeganj (Duty Free Zone) was established in the year 1928, after the name of His late Highness Maharajah Sri Madhav Rao Scindia. Of the commodities dealt by the Freeganj the chief are cloth, sugar, tobacco, kerosene oil, groceries and vegetable oils.

MANDSAUR—Is the head quarters of the district of the same name lying on the Ajmer Khandwa section of the B B & C I Railway. It is the chief market in the district for opium, cotton and piecegoods.

JAWAD—Is a town in Mandsaur district famous for cloth dyeing industry and manufacture of bracelets.

SHAJAPUR—Is the head quarters of the district of the same name lies on the Agra Bombay Road at a distance of 11 miles from Beichlia Railway Station of the Bhopal Ujjain section. The place is noted for cloth printing and dyeing.

SARDARPUR—Is the head quarters of the district Sardarpur situated on the right bank of the river Mahi. The nearest Railway Station for the place is Mahow, at a distance of 60 miles, on the Ajmer Khandwa Section. The chief crops of the district are grains, pulses and cotton.

MANDIES—The following are the mandies (Trade Centres) noted for the purchase and sale of the State produce—Lashkar, Morar, Gwalior, Dabra, Bhind, Morena, Sabulgarh, Sheopur, Shikpur, Guna, Pachai, Mungaoli, Bhilsa, Basoda, Ujjain, Barnagar, Khachrod, Nagda, Amjhara, Manawar, Bag, Rajgarh, Shajapur, Shujalpur, Kalapipal, Akodia, Sonkuch, Surner, Nalkhera, Agai, Mandsaur, Jawad, Neemuch, Baghiana and Suvasia.

Besides, to encourage the rural trade, periodical concessional fairs and Melas in villages and towns. Of them the most important is the Gwalior Fair and Agricultural Exhibition which is held on a very large scale near the Gwalior Railway Station every year from the 20th of December lasting for about a month. Complete list is given under the section of Lists of Fairs.

HOLKAR STATE.

The State is bounded on the North by the Udaipur and Kotah States of Rajputana, on the North East by Jhalawar, on the East by the Gwalior, Dewas, Dhar and Bhopal States and the British Nimar in the Central Provinces, on the South by the Khandesh District of the Bombay Presidency, and on the West by the Gwalior and Barwan States. The total area of the State is 9,902 square miles and population is 13,25,089. Hindi or Hindustani is the language spoken.

The territories of the State fall into three natural divisions which can with little difficulty be distinguished from one another by the nature of the soil and the climatic conditions possessed by them, viz, the Hilly 5,348 609 square miles, the Plateau 4,509 565 square miles and the plain 43 837 square miles.

The plateau division includes the districts of Rampura-Bhanpura, Mehidpur and Indore (excluding the Pellawad pargana) which all lie in the high-land tracts of Malwa, having a black soil of high fertility with a moderate rainfall of 30 inches in the year. All the ordinary crops grow there without irrigation. The climate is temperate and equable owing to the elevation which averages 1,600 feet and rises in some places to over 2,000 feet above sea level.

The Plain area, consisting of the solitary pargana of Alampur, has a climate subject to extremes and an average rainfall of 32 inches in the year, while the soil there is not as fertile as that of the plateau.

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Kurnool, Adoni, Bellary, Bijapur, Jagayyapeta, Bezvada, Bhadrachalam, Rajahmundry and Chandarpur.

The chief channels of trade are the G. I. P. Rly. (in W. and S.), Madras and East Coast Railway in the south and east, and these are connected with the Nizam's Railway; Hyderabad-Godavari Valley railway goes to Nannam from the capital. A comprehensive scheme for the co-ordination of rail and road transport is being carried on.

INDORE STATE.

INDORE TOWN—The town has a population of over one lakh, while the Indore State has a total population of 1,318,237 in an area of 9,520 sq. miles. It is an important commercial town and is the largest centre of trade in Central India being the chief collecting and distributing centre of Southern Malwa. It is the capital of the Indore State, and, also, the headquarters of the Central India Agency. The City is 374 miles from Bombay and 401 from Agra, and Mhow Cantonment lies only 13 miles away.

Textile industry is now the chief industry in the State. There are now 7 cotton mills employing 1825 persons. Along with the growth of the industry, the numbers of cotton ginning and pressing factories has gradually increased. There are at present 193 flour mills and 21 other small factories such as oil expellers, iron and brass foundries, metal works, etc. Recently a small sugar factory on the open pan system has been started as a private concern.

The exports from the town comprise grains, tobacco, opium, pepper, cloth, metal vessels and raw cotton. The chief imports are hardware, cloth, stones, machinery, building material, kerosene oil and raw cotton.

JAFARABAD STATE.

JAFARABAD STATE is situated in the extreme south of Kathiawar and lies between North latitude 20-52' and East longitude 71-24'. Its area is 53 sq. miles and population 12,092 souls according to the Census of the year 1931. Jafarabad is a small port and remains closed during the monsoon. Bajra, jowar, sesamum and ground-nut are cultivated here on a larger scale than cotton and wheat. The main staple-food of the people of this State is bajra and jowar. Wheat is also largely consumed here which is imported here from outside. Coarse cotton cloth is manufactured by local weavers and country shoes are made by local shoe-makers. Stone is quarried here for the manufacture of lime. The principal articles of import are cloth, cotton-seeds, metals, fire-wood, sugar and kerosene and that of export are grain, dried-fish, ghee and chunam.

JAIPUR STATE.

JAIPUR State (area, 15,579 sq. miles; population 2,631,775, languages, Hindi and Urdu) is situated in Rajputana. Agricultural conditions vary in different parts of the State and shifting sand is common. The crops grown are bajra, mung, math, etc. Camels are used instead of bullocks in cultivating the land. Jowar, maize, cotton and til are grown round the capital town. Wheat, barley, gram, sugar-cane, poppy and also rice are cultivated in the east.

Woollen cloth and fabrics are woven at MALPURA. Cotton cloth, chintzes, marble, saltpetre, enamel work, pottery, brass and lacquer work are also done. There are several cotton presses.

The exports from the State comprise salt, cotton, ghee, oilseeds, printed cloth, woollen fabrics, marble images, brassware and lacquered bracelets. The imports are piecegoods, sugar, rice, tobacco and hardware. The trade is chiefly rail borne. From the SHEKHAWATI town

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Cotton is extensively cultivated in the black-soil district as well as in Teligana but the cultivators produce the short-stapled variety generally 40% of the population of the State is directly supported by agriculture Pulses are grown everywhere The total area under crops amounts to about 35,000 square miles Oranges are extensively grown in and around AURANGABAD, OSMANABAD, PARBHANI and NIRMAL, mangoes are plentiful, and country and English vegetables are produced during the rainy season Grapes are grown at DOULATBAD In Sirpur, Tandui, Mahbubnagar, Warangal, Elgandal and Indur districts large areas of uncultivated land are still available (in Teligana)

There is an extensive horse mart, and fairs are also held at MALGAON and other places Weekly or monthly cattle and horse fairs are held in every district.

The coal measures of (Singareni field) WARANGAL and the gold mines of LINGSUGUR are important Output of coal in 1934 was as follows SASTI 41,880 tons, SINGARENI 527,989 tons and TANDUR 199,767 tons Cotton weaving is carried on in every taluk (Sais, dhosis and khadi) Sais of silk are made at NALGONDA, RAICHUR, MAHBUBNAGAR, LINGSUGUR, AURANGABAD, INDUR, ELANGDAL, etc and some of them are of extra fine quality AURANGABAD and PAITHAN are noted for embroidery, gold and silver lace work, Khamkhwai (cotton and silk woven together with silver and gold) is obtainable at PAITHAN, AURANGABAD and BILAPUR are famous for brocades of silver and gold on silk

Tassar silk is woven at WARANGAL, MATHWADA and HASANPATI, NARAYANPET and KOSGI (Gulbaiga Dt.) AURANGABAD is noted for silk ware, and bidii ware finely laid and polished with silver and gold are made at BIDAR town Sword blades and other weapons are made at HYDERABAD, WANPARTI, GADWAL, KALHAPUR, JAGDEOPUR, etc. Daggers, knives and cutlery of good quality are also made

The manufacturing industry consists of ginning and pressing factories, 272 in number at AURANGABAD and JALAN, MAZALGAON and PARLI in Bihar, PAICHUR and YADGAR in Raichur, LATUR in Osmanabad, also in Warangal, Indur, Parbhani and Nanded districts There are six spinning and weaving mills Cotton weaving industry receives active support from the State by means of debenture loans and the State is trying to produce good cotton for local consumption and export purposes The mills are equipped with 1,24,308 spindles and 2,694 looms Besides there are a number of tanneries and flour mills in the Dominions A paint factory has been started There are State factories for the manufacture of tiles, alcohol, soap, etc

The chief articles of export from the Hyderabad State are food grains, cotton, linseed, sesamum, groundnuts, castor seed, indigo, oils, timber, cotton cloth, yarn, hides, cattle and coal The chief imports are mill-made cloth, yarn, raw silk, salt, refined sugar, dried fruits, betelnuts, horses, cattle, silver and gold, copper, brass, iron, timber, mineral oils, and opium

Besides the places already mentioned the following places are also important commercially, NANDED, HINGOLI, SURAPUR, KOPAL, LATPUR, SERAM, SAHABAD, SADASEOPET, SIDDIPET, KARKHELL, KHAMMAMET and IDLABAD.

The internal trade much exceeds the external trade of Hyderabad. For purposes of export the products of the country are collected at important centres The imports from the British territory are brought direct by rail or by carts or pack bullocks in the case of interior districts from such commercial centres as Barai, Sholapur, Ahmednagar,

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throughout India. The chief ports in the State are **VARAHEL**, **NAWABANDAR**, **SUTRAHARA** and **MANGROL**. There are also 12 other minor ports. The ports are not open throughout the year being closed during the monsoon.

KARALI STATE.

The State of **KARALI**, one of the States forming the Eastern Rajputana Agency, is oblong in shape, about 56 miles from East to West and 25 miles from North to South. The population of the State, according to the Census of 1931 is 1,40,525.

The chief Kharif crops are bajra, paddy, jowar, muth, juar, moong, urad, til, cotton, maize and san (flax). The Rabi crops are wheat, barley and gram. The jungles of the State have not yet been properly surveyed with the exception of one named Sadar Rund the area of which is reported to be 36,075 bighas.

There are no big industries in the State; agriculture is the chief occupation of the people. There is one ginning and flouring mill at the capital and also a power house which supplies electric light to the capital. The chief produce of the country are Indian corn, bajra, juar, mung, urad, muth, wheat, barley, gram, rice, cotton, gur, zira and san (flax).

The important commodities of export are cotton, zira, ghee, rice, chillies, san, (flax), tat patts, stone slabs and hides while those of import are sugar, indigo, tobacco, yarn, cloth and kerosene oil.

The most important indigenous arts and manufactures in the State are—1. Manufacture of Tat Patts, 2. Dyeing and block printing of cloth, 3. Lacquer tanning and making of wooden toys, 4. Manufacture of Kalas for Ruktas (smoking pipes), 5. Moulding of brass and pewter ornaments, 6. Stone carving, 7. Weaving of coarse country cloth.

KASHMIR STATE.

The **JAMMU** and **KASHMIR** State is one of the biggest States in India, its area is about 84,471 square miles, the population is 38,76,495. The chief cities are **JAMMU** and **SRINAGAR**. Government Headquarters are at **JAMMU** in the winter and **SRINAGAR** in the summer. There is a great variety of trees, plants and flowers and the country, especially the **KASHMIR** Province, abounds with big and small game. The country is rich in minerals, which have been located by the Mineral Survey Department but for the most part have not yet been worked. The mineral deposits consist of coal, iron, gypsum, limestone, copper, nickel, bauxite, lead, manganese, arsenic, chromite, ochre, graphite, kaolin, bentonite, fullers' earth, marble, slate, steatite and gold. There are distinct signs of oil too. Precious and semi-precious stones found in the State include sapphires, aqua marine and tourmaline.

The chief crops with acreages are as follows—Rice (4,58,741); wheat (5,17,788), maize (5,06,922); bajra (1,13,489); barley (68,886); linseed (24,396), sesamum (24,685). Other crops are rape, mustard, cotton, saffron, tobacco and hops. Kashmir has long been famous throughout India for its apples; the fruit and vegetable industry is growing rapidly and all kinds of vegetables and fruit grown in temperate countries are now produced. The chief are apples, pears, cherries, raspberries, currants, plums, greenages, peaches, apricots, strawberries in the **KASHMIR** Province, and oranges, plantains and mangoes in the **Jammu** Province.

The mountain ranges are clothed with valuable forests consisting chiefly of deodars, pines, fir and spruce. The plains produce willows and bamboos. The rearing of silk worm is an important cottage industry and there has been an important State Sericulture Depart-

POULTRY FARMING: A handbook on Poultry Farming and Duck Breeding. Price Rs. 4. INDUSTRY BOOK DEPT., Shamsazar, Calcutta.

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the exports are wool, grains, sugar, cloth, spices, tobacco, etc., which are carried by camels.

The city of JAIPUR is a fine, large and beautiful city in the whole of Rajputana and has a population of about 170,000

JODHPUR (MARWAR).

JODHPUR (area 36,021 sq. miles, population 21,25,982, language, Marwari) is the largest Indian State in Rajputana. It is 1,330 miles to the west of Calcutta and 592 miles from Bombay. The length of the Jodhpur Railway is 767 miles.

The main crops are bajra, jowar, moth, moong, wheat and gram, Til, maize, cotton, barley, and mustard seed, are also grown. Irrigation is mainly from wells, the water being raised in some places by Persian Wheel. Salt is the principal mineral found in the State, at Sambhar, Pachpadra and Didwana, it is worked by the British Government, under agreement with the State.

There are no important industries in the State. Weaving of coarse cotton cloth as well as woollen cloth is carried on in villages. The dyeing and printing of cloth in Jodhpur, Pipar and Pali is famous, where turbans for men and scarfs for women are dyed. Brass and iron utensils are made at Jodhpur, Pali and Nagour; ivory works are found at Pali and Mehta; lacquer works are found at Bagri, and Jaitaran, marble toys are made and quarrying is carried on at Makrana, felt rugs are made in Mallani and Mehta, saddles and bridles are made at Sojat, tanning is done at Bah, Erinpura and Mahamandir. Nagour locks and implements of goldsmiths are famous. Cattle of Nagour and Sanchoie and horses of Mallani are famous. There is an ice and aerated water factory at Jodhpur and several woollen and cotton presses are working in the Districts. Jodhpur has a large Railway workshop.

The chief exports are salt, animals, hides, bones, wool, cotton, oil seeds, marble, sandstone, millstone, gypsum, lime, limestone and Fuller's Earth. The chief imports are wheat, barley, maize, gram, rice, sugar, opium, dryfruit, metals, oil, tobacco, timber and piece goods. Most of the traffic is carried by rails, 80 per cent of the rest by motor cars, camels and carts.

Cattle Fairs: The following Fairs are held annually in this State — Ramdeo-ka-mela, Nagour, Rly Station, Middle of February, Bullock and Camel show Chaatri-ka-mela or Tilwara Cattle Fair, Tilwara, Rly. Station, second week of April, Bullock, Camel and ass show Tejaji-ka-mela or the Parbatsar cattle Fair, Parbatsar Rly Station in the third week of August, Bullock, camel, horse and he-buffalo show. The fair No 1 above lasts for 9 days from the date of its beginning while the remaining two last for 15 days. The Fair No. 3 i.e., the Parbatsar Cattle Fair is the biggest in the State.

JUNAGADH STATE.

JUNAGADH STATE—It has a population of 554,889 and contains seven towns and 900 villages. It is a first-class State in the south-western portion of the Kathiawar Peninsula with an area of 3,337 sq miles. Gujarati and Udiu are spoken here. The State is intercepted by a number of rivers.

Agricultural products consist of cotton, wheat, millet, pulse, oil seeds and sugarcane. The State has a big forest in the Gir district where teak, blackwood, jambu and babul are largely found and preserved. There is an increasing trade in these timbers with the rest of the country. It is here also that stone of good quality for building purpose is obtained and is much sought after. The breed of cattle known as Gir originated from this State and is much in demand.

POULTRY FARMING. A handbook on Poultry Farming and Duck Breeding. Price As. 4. INDUSTRY BOOK DEPT., Shambazar, Calcutta.

also largely exported from this place. The import of grain varies according to season.

There are a few weaving mills and steam presses for treating the main products of the peninsula, namely cotton and wool. Kathiawar crafts are gold and silver thread making, weaving of silk and brocades, etc. Making of fragrant red powders, fragrant oils, perfumed sticks, and powders of rose and other essences from side occupations. Ivory work and carving of sandalwood are practised in different districts.

The Kathiawar State has lately developed as a centre of sea-borne trade. Its growing trade has affected Indo-British ports to some extent. The preferential duties at the ports of the State has deflected trade from Bombay and Karachi. These are sought to be removed shortly on the ground of undue competition.

Kathiawar ports have several advantages to their credit—Cheap labour, low port charges, low charges for office maintenance, direct connection through a metre gauge railway to a large hinterland covering Rajputana up to Delhi. The Kathiawar ports are nearer to the capital of India than any other, and they thus have a strategical importance of their own. Every maritime State is anxious to develop her port with a view to increase the revenue to the State, and all sorts of encouragement is given to the merchants trading at the ports.

An agreement has, it is understood, been reached between the Kathiawar Maritime State and the Government of India in regard to goods imported through Kathiawar ports.

According to the reported agreement, Jamnagar, Porbandar, Junagadh and Morvi States have agreed that all customs revenue that accrues from goods sent out of a State's limits will be handed over to the Government of India after deducting Rs. 5 lakhs.

A second condition of the agreement is reported to be that all the above mentioned States should put a stop to the practice of allowing rebates to individual merchants and firms. If, however, it is ever found that a certain State has been paying rebates privately, the Government of India, will have the full right to check the Customs accounts of the State as also of all merchants, if necessary, and the State is bound to render all help to the Government of India.

The States, it is reported, have also agreed that they will issue certificates for goods that go out of their limits.

It is further understood that the Customs cordon at Viramgam will be called off if it is found that the States concerned carry out satisfactory the terms of the Agreement.

As regards Bhavnagar State, it is understood that Bhavnagar being an independent port in British India, the Government of India have agreed to allow the State a sum of Rs. 50 lakhs.

No agreement, it is understood has been arrived at in respect of ports in Cutch State.

Sugar Imports.

The following table gives the figures of imports of sugar —

| Name of State | 1934-35 | 1935-36 | 1936-37 |
|---------------|---------|------------|---------|
| | | (in tons). | |

| | | | |
|---|---------|--------|--------|
| Imports into Kathiawar from all foreign countries | 110,963 | 87,964 | 15,950 |
| Imports of foreign sugar from Kathiawar into British India | 27,609 | 28,023 | 1,165 |
| Imports of local manufactures from Kathiawar into British India | 60,775 | 15,244 | 8,114 |

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ment for many years. There are large flocks of sheep and goats, the former predominating in the KASHMIR Province.

The chief industries of the State other than Agriculture are timber extraction, sericulture and production of hand made woollen goods. The visitors to KASHMIR every year number many thousands and to attend to their wants and difficulties a special department known as the visitors Bureau located in SRINAGAR has been opened. To meet the requirements of visitors, arts and crafts of all kinds have been developed for many years and the making of such articles as carpets, shawls, embroideries, papier mache, all kinds of articles in walnut wood, work in silver and gold occupies a large number of the population especially in Srinagar. KASHMIR has been famous for its shawls and carpets for many years.

The chief exports are timber, raw silk, woollen goods, hides and skins, fruit and vegetables, ghee, shawls, and carpets, drugs and other forest minor products. The chief imports are piece goods, metals and metal goods, salt, sugar, tea.

Excellent big game shooting is to be obtained in KASHMIR in the higher altitudes in the summer months, whilst small game is good in the winter months. There are more than twenty well stocked trout streams which offer the visitor excellent sport between the months April and September. The chief rivers are the CHENAB in the JAMMU Province and the JHELUM in the KASHMIR Province.

The main routes to the State from India are to KASHMIR via RAWALPINDI (rail head) and onwards by motor via ABBOTTABAD or MURREE and from WAZIRABAD JUNCTION to JAMMU (Tawi) (rail head) and thence onwards by car through the Jammu Province over the Banihal Pass to Kashmir. Both on the Jhelum Valley road and the Banihal Cart Road which are in excellent condition, driving after dark is prohibited. A third route into the State from the Punjab is from Gujrat to Bhimber. This is the old Mogul road, it is only motorable up to Bhimber, onward from Bhimber one must ride or walk.

From this state important trade routes to Central Asia pass through Leh and Gilgit, by these routes considerable trade passes to and from between India and China, Tibet and Turkestan.

KATHIAWAR STATE.

KATHIAWAR is a peninsula and is properly the western portion of the province of Gujrat. The extreme length of Kathiawar is about 200 miles and its area is about 24,000 sq miles. The State has a population of more than 27 lakhs. There are a few lakes and many big tanks which serve as village reservoirs.

The peninsula is mainly wooded. The mangrove grows on the shores and its wood is used as a fuel. Coconut trees grow rapidly along the shores and the wild date is commonly met with. Excellent mangoes are grown at MAHURO.

The peninsula abounds in minerals of different varieties and is particularly rich in building stones. The principal metallic ore found here is iron. Pearl of good quality but inferior in lustre are found here in the Gulf of Cutch.

The soil of Kathiawar is very fertile and the region is a very wealthy one. The land, though not of extraordinary richness, is generally of fair quality and is amply watered. Cotton exported from the ports of Kathiawar amounts to about one-sixth of the whole of Bombay's exports to foreign countries and large imports of bullion and grain are received by Kathiawar as a part of the price of her cotton. Besides these, cotton cloth, sugar and molasses are largely imported. Wool is

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nearly 10,000 feet above sea level. The area in the valley under rice was (1,80,137 52 acres), and under other crops was 46,141 bighas (15,253 22 acres). During 1935-36 1,89,608 maunds of rice and 1,00,304 maunds of chura were exported as against 2,54,619 maunds and 1,39,766 maunds respectively in the previous year.

The staple crops in the Hills are rice, millet, job's tears and maize. Cotton and linseed are produced mainly in the hills near the valley where the hillmen can usually find a ready market. In the South West area, particularly Senvon and Parbung, they can get their cotton and linseed exchanged with salt, thread and other articles from men from Cachar.

Maize was a source of some profit in the east. The leaves that cover the cobs are sold in Burma where they are used in making Burma Cheroots, but now this trade has suffered a setback on account of refusal of the Burmese shopkeepers to pay a better price for leaves. Pan is cultivated in the West by the Kachus and sold in Cachar and Manipur. Potatoes are grown round about Ukhrul but only for local consumption.

The potatoes grown in Mao are exported into Assam. Oranges are grown in the West. During 1935-36 no tea seed was exported.

Wheat cultivation was also introduced in Ukhrul this year and it is hoped that it will be possible to give a good report next year.

MORVI STATE.

Morvi State (area 822 sq. miles, excluding the area of Adhol Mahal in the Cutch Peninsula,) population 1,13,024 according to Census of 1931) is a first class State in Kathiawar with an annual gross income of about 40 lacs. The State has a good trade in agricultural products which comprise grains, sugarcane and cotton.

NAVILAKHI is the chief port on the inner gulf of Cutch where ocean going steamers of Steamship Companies such as British India, Hansa, Clan, City and Hall and Asiatic Steam call regularly. It is the safest port in the whole of Kathiawar and open throughout the year. It is connected by a metre gauge Railway with the Capital Town Morvi, Navilakhi is nearer to Gujarat, Rajputana, Delhi and the United Provinces of India than any other port of Kathiawar.

The State has workshops which turn out all mechanical work for the Railway and Tramway as well as for the State. There are eight spinning factories and one baling press in the State. Besides these there are large industrial establishments such as the Parshuram Pottery Works, Mahendra Glass Works, Morvi Salt Works and Shri Lakhdhurji Mills Ltd. (weaving and spinning) which provide adequate employment to wage earners. There are other small industries also worked by electricity in the town. The principal manufactures are cotton fabrics, metal utensils, ivory work, gold thread, gold, silver and jewelled ornaments, glazed earthenware and glassware.

MYSORE STATE.

The MYSORE STATE, with a population of 6,557,371, is situated in South India. Its general elevation rises from about 2,000 ft. to about 3,000 ft. above sea level and generally consists of an undulating tableland, much broken up by chains of rocky hills. Kanarese, Tamil, Telugu, Hindustani and Marathi are the languages of the State.

Among the Indian States the State of MYSORE stands fifth in area and second in population. Situated in the south of India on a triangular tableland, with an elevation of 2,000 to 3,000 feet above sea and exposed to the benefits of both the monsoons, it maintains a mild equable climate through most part of the year. Kannada is the principal

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Kathiawar's Foreign Trade.

The total imports into the different porttime States of Kathiawar in 1936-37 were of the value of Rs 2,53,46,311. The figures were the lowest for the period during the last three years. It was, of course, to be expected that imports into these States would decline, especially after the agreement between the Kathiawar ports and the major ports; but the extent of the decline would appear to have been more than what was expected. It is significant that imports into Bhavnagar showed the greatest decline. The following table shows the share in imports of each of the different States during the last three years —

| Name of State | 1931-35 Rs | 1935-36 Rs. | 1936-37 Rs. |
|----------------------|--------------------|--------------------|--------------------|
| Baroda | 43,22,522 | 40,77,415 | 27,75,451 |
| Bhavnagar | 2,95,71,470 | 2,43,17,212 | 53,86,756 |
| Jafarabad | 2,47,312 | 4,07,175 | 8,858 |
| Junagadh | 19,82,667 | 29,89,054 | 28,71,188 |
| Morvi | 15,20,622 | 31,59,288 | 39,42,832 |
| Nawanagar | 72,06,805 | 1,01,84,416 | 57,11,742 |
| Porbandar | 40,59,642 | 13,61,411 | 16,46,481 |
| Total Imports | 5,19,10,510 | 4,70,96,001 | 2,53,46,311 |

The following table shows the exports for the last three years, as also the share of each of the different States in them —

| Name of State | 1934-35 Rs | 1935-36 Rs | 1936 37 Rs |
|----------------------|--------------------|--------------------|--------------------|
| Baroda | 2,33,610 | 1,18,897 | 93,316 |
| Bhavnagar | 57,35,713 | 80,11,728 | 83,67,016 |
| Junagadh | 41,00,297 | 54,87,990 | 82,20,832 |
| Nawanagar | 13,76,198 | 90,54,532 | 99,51,265 |
| Porbandar | 4,79,410 | 4,23,144 | 9,42,859 |
| Total Exports | 1,49,25,226 | 2,30,96,291 | 2,77,78,282 |

From the above table it will be seen that, excepting Baroda, all States gradually increased their exports. Further, in every instance, with the exception of Porbandar, the improvement was gradual.

The foregoing analysis, especially the irrefutable figures, clearly indicates that the major ports have now completely recovered their lost ground.

LIMBDI STATE.

LIMBDI STATE (area 343 sq miles, population, 40,084).—The local agricultural products are cotton and grains which are extensively cultivated. Wheat is certified to be of best quality by the Agricultural Marketing Officer. Coarse cloth is manufactured here to a small extent. The chief town, LIMBDI, is 14 miles south-east of Wadhwan. The State is connected with the Bhavnagar railway.

MANIPUR STATE.

MANIPUR STATE (area 3638 sq miles, population 4,45,606) lies between Assam and Burma, some 700 sq miles of which form the central valley of Manipur, which is inhabited by Manipuris, while the remaining area of over 7,938 sq miles consists of mountainous and hilly country inhabited by Nagas and other hill tribes.

The chief agricultural products grown are rice, mustard, sugar-cane, pulses, tobacco, fruits and vegetables. Pottery, agricultural belts, leather goods, etc., are manufactured.

The valley is about 2,600 feet above sea level with drainage from North to South and the highest mountains in the Hill area rise to

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MAKUDAR-NARSIPUR and BANGALORE are the centres of silk trade. The total amount of silk produced in the Govt's Silk flature amounted to 7,014 lbs. The carpets of BANGALORE are well-known. Gold (circular or of other shapes) and silver ornaments are made

Principal places of iron smelting are MAGADI, MALAVALLI, CHIKNAYANHALLI, HEGGADADEVANKOT, ARSIKERE and TALURKAS in Chitaldroog district. Steel wire is drawn at CHAUNAPATNA. Brass and copper vessels are made at SRAVANA, BELGOLA and SITAKAL; bell-metal articles are made at HASSAN and TUMKUR district, SORAB in Shimoga district is famous for ornamental sandal wood carving. There are coffee works at BANGALORE and HUNSUR, which also possess saw mills. There is a spinning and weaving mill at BANGALORE. Rice and flour mills also exist. Soap and sandal wood oil are manufactured.

Mysore is rich in minerals. The five gold mining companies on the Kolai Gold Fields produced 333,286 oz of gold valued at Rs 306 lakhs during 1936 as against 329,716 oz valued at Rs 237 lakhs, during 1931-32. A gold mine is said to exist near Nanganugud. The output of silver during 1936 was 25,000 oz, chromite was obtained to the extent of 6,450 tons, kaolin 2,534 tons, kyanite, stanniolite, and garnet 2 tons, green quartzite 6 tons, soapstone 1,615 tons. Chromite has also been traced near Devanur in the Kadur Taluk. Galena and antimony ores occur near Chitaldrug, kaolin near Kolai and graphite in the Bowringpet taluk. Iron ore is obtained in abundance near the Kemmangundi Hills and forms the chief raw material of Mysore Iron Works at Bhadravati which manufactured 14,805 tons of pig iron during 1934.

The chief exports from Mysore are gold, grains and pulses, betel leaf, arecanut, raw silk, sugar, jaggery, coffee, coconuts (dried kernels). The important imports are grains and pulses, iron and steel articles, raw silk, piecegoods, tobacco, cotton and thread. The State has many internal markets where weekly purchases are made and foreign articles are sold.

120,000 persons were employed in handloom weaving, there being 40,000 looms in all, 30,000 of which were for cotton and silk and 10,000 for woollen fabrics. The sugar factory has been extended and its crushing capacity has been raised to 1,400 tons a day.

The silk industry continued to suffer from the increasing competition of foreign silk in the Indian market. In spite of the protective duties levied by the Government of India in March 1934, the imports of silk continued to increase, while there was a further reduction in the prices of all kinds of silk and silk goods. The slump is reflected in the large shrinkage in the area under mulberry, which has fallen from 50,000 to 30,000 acres during the past five years.

The existing plant for the manufacture of fine quality silk goods sold last year goods to the value of Rs 1,20,000.

The demand for the products of the Iron Works continued to be poor during the year and the different sections of the plant had, therefore, to be operated on a restricted scale. There was little improvement in the sale of pig iron and pipes or in the prices realised. There was, however, a small increase in the local demand for some of the by-products.

The Sandal Oil Factory at Mysore worked throughout the year and the arrangements for the distillation of sandalwood at Kanau and in America were also continued, though the former have since been brought to a close. The results of the year compare favourably with those of the preceding year. There was an increase in the quantity

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put language of MYSORE though the other sister Dravidian languages are also current.

With its mountains and primeval forests, verdured valleys and rolling plains, rivers and waterfalls, MYSORE offers unending interest to every taste. The flora and fauna are as varied as the landscape. It is the land of the lordly tiger, the lion and the wild elephant, the home of the hardy teak and the fragrant sandalwood, the chief garden of coffee and by far the largest gold mining centre in the East.

The State includes eight districts of which Bangalore (3,979 sq. miles) and Mysore (5,192 sq. miles) are important. BANGALORE CITY is the headquarters of the Mysore Government. It has an area of 11 sq. miles and is about 216 miles by rail from Madras.

IRRIGATION IN MYSORE—The Government of Mysore have sanctioned the construction of an irrigation reservoir on the river Shimsha, twelve miles from Kunhal, at a cost of Rs. 22 lakhs. The reservoir will be capable of irrigating 10,000 acres of land, now under dry crops in the Tumkur District.

The site of the dam is about 2 miles above the Yeddyur bridge. The dam wall will be a composite one, with a masonry centre and earthenwork flanks. At the centre of the river bed the height of the dam (masonry section) will be 50 feet above the bed level and the total length of the dam 100 feet.

The maximum capacity of the reservoir will be 8,000 units of water (one unit being 2,650 cubic yards). Work on the dam will begin shortly.

It is expected that the dam will be completed in five years. According to the estimate, a sum of Rs. 17.5 lakhs will be recovered by way of contributions from ryots soon after the completion of the reservoir.

CROPS—The staple grains are ragi or marua, jowar, rice, gram, pulses, castor, groundnut, condiments and spices, baflra, sesamum, sugarcane, tea, drugs, etc. Cotton and sunn hemp are the chief fibres and chilli, capsicum, ginger, coriander, cumin seeds are the spices. Tobacco, mustard, onion and garlic are also grown. Coffee is grown on the slopes of the Western ghat. Fruit and vegetable productions receive special attention near about BANGALORE. Apples, strawberries, peas, potatoes, cauliflowers, mango, arecanut, coconut (163,000 acres), and plantain are grown. Arecanuts of NAGAR are famous. There is a horticultural garden at LALBAGH and at BANGALORE and there is an exotic fruit garden at NANDIDROOG. Very little cultivation is carried on in the Mysore Hills other than rice, coffee, cardamoms, arecanut and betelleaf where rainfall is heavy.

Sheep and goats are kept. The sources of irrigation are channels from dams and rivers. The reserved forests of Mysore produce sandalwood, teak, poon, blackwood, lac or jalari, nandi, wild jack, etc. Minor forest products are gallnuts, tannin bark, tangadi, and lac. Soapnuts, gum, honey, beeswax are also obtainable. Elephants are employed for dragging timber from inaccessible parts of the forests. Fuels are also obtained from these forests. Gold is the only mineral raised from the Kolar Gold fields. All the gold produced is despatched to England. Iron is smelted in several places of the State.

Cotton weaving is carried on and there are schools for imparting instruction at HOLE NARSIPUR, DOD-BALLAPUR, CHIKNAYA-KANHALLI, MOLAKAL MURU, GUDIBANDA and SINDEHUGHATTA. Good silk fabrics are made at PATVEGARS and KHATTIARS in Bangalore and at MOKKALMURU. Sericulture is extensively carried on at CLOSEPET, KANKANHALLI, MAGADI, CHIKBALLAPUR, TIRU-

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The Indian Institute of Science is undoubtedly the most prominent among institutions devoted to Scientific and Technological research and is a monument to the munificence of the late Mr. J. N. Tata and the far-sighted generosity of both the Mysore and British Indian Governments.

The S. M. Ry. runs through the middle of the State a branch going south-west from Bangalore to Mysore.

NAWANAGAR STATE.

NAWANAGAR STATE (area 3,791 sq miles, population, 408,851) lies on the southern shore of the Gulf of Cutch. It lies in the north-western portion of the Province of Kathiawar. But for the Baida Hills which occupy a little over one-third of the State, it is mostly a flat country. JAMNAGAR CITY, the capital of the State, is 51 miles by railway from Rajkot.

The principal products are grain, cotton, wheat and grain. Wheat is produced here without irrigation. There is a good trade in these crops both inside and outside the State. Marble of different qualities is found in the Kandorana and Bhanwar taluks and there is a growing trade in singlass and shagreen. The fisheries along the coast are important. Cloth and silk are the chief manufactures. Dyeing is an important occupation.

The State has 32 ports, large and small, the principal among these being JODIYA, SALAYA, ROZI and the famous BEDI PORT. In times of yore, JODIYA and SALAYA were the principal gateways for extensive trade of the whole of Kathiawar, JODIYA being particularly famous for its exports of wool to Europe. A long line of sheltered sea-coast imparts to the NAWANAGAR STATE ports the unique advantage of being "all-the-year-round" ports while their comparative proximity to the consuming centres in the interior accounts for the popularity of one or another of NAWANAGAR STATE ports among Importers and Exporters during different periods of history.

BEDI PORT is located on the Gulf of Cutch and at a distance of about four miles from Jamnagar, the capital of Nawanagar State. Small steamers upto about 1000 tons discharge direct on to the Bundar.

Steamers of Hansa Lines, Clan Lines, Anchor Lines, City & Hall Lines, B. I. S. N. Co., O. S. K., N. Y. K., Lloyd's Triestino, Swadesh Line and other companies call at BEDI PORT direct at regular intervals. On an average about 20 steamers call at the Port every month. The steamers of the Bombay Steam Navigation Co., Ltd., run between Bombay and Bedi Bundar, bringing local and transhipment cargo and they have regular weekly calls for import and export cargo. Also the Passenger and Cargo steamers of The Hindustan Steamship Co., Ltd., and The Sind Navigation Co., run between Karachi and Bedi Bundar on regular weekly services.

The principal articles imported via Bedi Bundar are Kerosene, petrol, rice, timber, sugar, liquors, matches, metals, China clay, stationery, hose, cutlery, electrical accessories, cocoanut oil, perfumery, cigarettes, raw cotton, cotton and silk piecegoods, cycles, motor cars and accessories, glassware etc. Exports include cotton and cotton waste, wool, cereals, oil cakes, oil seeds, hides, skins, etc.

PALITANA STATE.

PALITANA STATE has a population of 62,150 souls and an area of 288 sq miles. The principal crops of the State consist of grains, sugarcane and cotton in which the State has a large and booming trade. The State is celebrated for its Jain temples on the Shetrunjaya

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of oil sold, although the prices had to be reduced to meet the keen competition in the market.

MYSORE CITY is 89 miles from Bangalore by road and 86 miles by rail. It is the capital of the State and the seat of His Highness the Maharaja.

A huge dam of masonry, 8,600 feet long, 120 feet wide at the base and about 130 feet high has been constructed across the river Cauvery to store water for irrigation and hydroelectric purposes. This reservoir of water is one of the largest in India.

SIVASAMUDRAM—This is 30 miles by road Maddur, a Railway Station on the Bangalore Mysore Railway. It is the site of the famous Cauvery falls and the HydroElectric Works of Mysore.

Some two miles from Sivasamudram is located the HydroElectric Works at a place familiarly known as the "Bluff" where the river has been harnessed to generate and provide electric power to the Kolar Gold Fields, the Cities of Mysore and Bangalore and many other towns and factories in the **MYSORE STATE**.

MYSORE abounds in valuable resources and raw materials required for industrial development. Though Agriculture is the main occupation of the people, many of the small industries such as weaving in cotton, wool, sheep farming, furniture and toy making, etc., have been in existence in **MYSORE** from a long time. The State has been taking keen interest in the development of Industries from the very beginning and has always sought to utilize its available resources on capital works of a productive nature calculated to enhance the economic prosperity of its people.

Cotton cloth, blankets, brass utensils, earthenware, and jaggery (both cane and date) are the principal manufactures. There is also some silk weaving works. The sandal wood oil of Mysore has gained an international reputation and Mysore is famous for its ornamental sandal wood carving which is done by a class called Gudigar.

An industrial exhibition on a large scale is held every year during the Dassara Season (October) in **MYSORE CITY**.

Girin is diverted to the west coast, Nilgiris and Coimbatore. There is also a considerable trade with Bangalore and Madras. Many of the traders are Mahomedans while the bigger merchants are of Kunchigar caste.

BANGALORE—Coffee is peeled, sized and sorted in a coffee work at Bangalore in order to prepare the stuff for the European market. Artificial manures for coffee plantation is also produced at the factory. Other factories working in Bangalore are sugar factory, brick and tile factory, iron foundry, silk farm, etc. Oil mills are also at work in Bangalore. Tanneries on a considerable scale are managed by Mahomedans and hides and skins are prepared for export purpose. There are also cotton and woollen mills which spin and weave cotton and wool and produce fine stuff.

The carpets of Bangalore are well-known for their durable quality, and for having the same pattern on both sides. It is said that Bangalore carpets are unapproachable by the commercial carpets of any time and place. Silk fabrics of stout texture and excellent design are made in Bangalore where sericulture is carried on a large scale. Indeed, Bangalore is the centre of the silk trade in the south of India.

BANGALORE is the seat of the Government of Mysore. Situated at a height of 3,000 feet above sea level and possessing a salubrious climate throughout the year, Bangalore is the ideal holiday resort. Lavishly endowed by Nature with a fertile soil, fruits and flowers grow in abundance.

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which are all connected with the Capital of the State. Trade is carried by railway and by carts and communication facilities are on the whole better than what existed some time ago. Motor lorries are used for carrying goods and is the principal means of transport.

The chief imports are timber, tiles, kerosene oil, hardware machinery, piecegoods, arms, oilman stores, and wines.

The State has many internal markets where weekly purchases are made and foreign articles are sold. Paddy and other grains, salt, groundnut and castor seeds, chillies, all kinds of vegetables, plantain, coconuts, oranges, limes, mango and jack fruits, betel and tobacco are generally sold cheap on market days and the business is profitable. Good cows and buffaloes are sold in the weekly market. Dusserah festival is famous here and people from different parts of the districts assemble here for ten days during October, every year and many fancy things are sold on this occasion. The climate of the place is healthy.

REWA STATE.

The STATE (area 13,000 sq. miles, population 1,587,445, Language Baghelkhandi) contains an area which has a convenient market near to it. Lime Factories exist in Raghuramnagar Tehsil. Coal is mined at Umaria, Dhanpuri and Amalga (94,743 tons). Among other minerals in the State are limestone (in the vicinity of Khaleswar, Umaria, Karkelly, Majhgawn, Kaimati, Aganburi), sandstones, kankar, marble, etc. Here is a great prospect for manufacturing cement. Iron ore and copper occur notably in Beohari, Gopabanas and Deosar Tahsils. Ochres of various colours occur in certain villages of Raghurajnagar Tehsil and at Dharouli in Bandhogarh Tehsil.

DEO TALAB—At Deotalab (Tahsil Mangunj) 30 miles eastward from Rewa, the fair is usually held thrice in the year. One opens on the 13th of Shukla Paksha (second fortnight) of Asadh and closes on 13th of Krishna Paksha (first fortnight) of Sawan and the other on the 13th of Shukla Paksha of Kartick and closes on the 13th of Krishna Paksh of Aghan. Both the opening and closing days are included in the duration of the fair. The third is held from the 13th of Krishna Paksha to the 15th i.e. Purnimashi (full-moon day) of Shukla Paksh of Phagun and thus lasts for 13 days inclusive of both the opening and closing days. The months named are of the Hindu calendar of the Vikram era and correspond with July—August, November—December and February—March respectively of the Christian era. 'During Maimas' the additional month every alternate year in the Hindu calendar the fair is held the whole of that month. There are time honoured archaic temples of Lord Shiva and His worshipful wife Parvati and it is in honour of these that the fair was started. Merchants and traders dealing in cloth, vessels, gold and silver are drawn there from the Satna, Rewa and Mirzapur markets besides retail and petty dealers from short distances. Religious minded Hindus, male and female, come over there in thousands every day from about 25 to 30 miles all round to pay their respects to Shiva and Parvati. The State authorities control and manage the fair.

AMARKANTAK—It is a hill situated on the southern most corner of the Rewa State. It is reached from the Pendra Road Station on the B. N. Ry. which is at the distance of 14 miles. The fair is held there from the 11th of Shukla Paksha of Phagun (Hindu month) and lasts for 15 days. The fair is popularly known as "Sheoatri Mela" since the great Hindu holiday falls on 13th of the Shukla Paksha of Phagun—two days after the fair opens. Thousands of Hindu saints and

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Hill, where the Jains perform at least one pilgrimage during his life time. The chief town is PALITANA, a station on the Bhavnagar State Rly. The State is also noted for its breed of Kathi horses which are particularly beautiful. The State possesses one of the oldest steeds in India.

PORBANDAR STATE.

It is a first Class State area about 642½ Square Miles, population 1,15,741, language Gujati in the Sorath Division of Kathiawar. The principal crops of the State are jowar, bajra, wheat, and cotton and an increasing trade is carried on in these products. The principal supply from the sea is fish of many kinds including Oysters which are largely found here. Lastly the principal production is Ghee which is exported in large quantities to Bombay and African Ports.

A kind of Lame Stone known as Porbandar Stone is found here in abundance from the Adityana Quarries and exported in large quantities by rail and sea. Silk of a very good quality is manufactured here by local home industries. Large quantities of timber are imported here from Burmah and Malabar Ports by sea. The exports of agricultural products from the State go principally to Bombay.

The principal industrial concerns are the Indian Cement Co., Ltd., the Maharana Spinning and Weaving Mills Ltd., and The Nadir Salt Works. Their products, viz Cement, Cotton Piecegoods and Salt are exported in large quantities to Indian as well as foreign ports.

Porbandar is the chief Port and town in the State and is well provided with all the modern handling equipments and warehousing accommodation. Regular calls of foreign liners have been established and they include British India Line, Mogul Line, Clan Line, Anchor Line, Hansa Line, Roosevelt Line, Ellerman, Bucknall & City Line and Scindia Line. The principal foreign imports are Sugar, Piecegoods, Dates, Chemicals, Petrol, Kerosene, Iron & Steel and other miscellaneous general cargo. The principal commodities of exports are Ghee, Groundnuts, Cotton, Stone, Lame, Salt, Cement and several other minor commodities. Coastal British India and Bombay Steam Navigation Co. Steamers call here regularly every week for discharging and lifting cargo and passengers. Besides, British India Steamer makes, a monthly call here to embark and disembark passengers and cargo direct for and from East and South African Ports. The Port remains closed during the monsoon.

PUDUKOTAH.

The State has three Taluqs and about 2,000 villages and has a population of 4 lakhs. It is on the whole barren with rocks here and there, but has much fertile and good arable soil, easily tilled for cultivation. Crops are raised by well and tank irrigation. The town is being slowly fitted up with the modern appliances of trade and industries. The industries are stone products, earthenware utensils, weaving of cloth, sarees, blankets, printing and dyeing cotton. Baskets, aluminium utensils, bed sheets, towels and cane works are also made as a jail industry by the prisoners. Tanning and dyeing barks, lime stone, ochre and gravel jellies are abundantly found here. Making of fragrant oils, agarbattis or perfumed sticks, attar billais form a side occupation and is much in demand throughout the southern India.

For purposes of export the products of the country are collected at important centres. The imports from the British territory are brought directly by rail or by carts. The principal routes by road are those leading to Trichinopoly, Tanjore, Aranthangh and Ramanad.

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ses, hides and skins and the principal imports are timber, cotton, silk and ivory.

SANDUR STATE.

SANDUR.—The soil is well adapted for the cultivation of European vegetables. There are rich deposits of manganese ore in the State.

SAWANTWADI STATE.

The State of SAWANTWADI comprises an area of 930 square miles and is bounded on the north by the Malwan sub-division of the Ratnagiri District and is separated by the line of the Sahyadri hills, on the north-east from Kolhapur territory, and on the east and south-east, from the British District of Belgaum. For administrative purposes the State is divided into Kudal and Banda Pethas, each of the Pethas including several small divisions called Talifs.

The total area of the State is 5,92,088 acres. From this an area of 34,786 acres is taken up for forest.

Kumri cultivation forms 82 per cent. of the total cultivable area. The kumri cultivation produces inferior millets such as Nachna, Hanik etc. The superior crops such as paddy and cereals including garden area utilise 18 per cent. of the total cultivable area. Obviously the total produce of cropped area is hardly sufficient for the total population of the State. 25 per cent. of the population has therefore to support itself by emigration outside the State. These work in the Mills, Police, Military and other lines elsewhere and remit yearly sums for support of the remaining members of their families residing within the State.

The population of the State according to the last census is 2,30,589 and the area of cultivable land is 3,80,067 acres. There is no money-earning exportable crop except a few cocoa-nuts, which can be spared after a very frugal local consumption. The only other export is cashew nuts, graft mangoes and kokum. Some villages especially in the malarious area export paddy and nachni, the population there being very small. All export to Goa is stopped because of the heavy duty imposed there.

Attempts were made to provide a side-industry by trying to teach villagers spinning and weaving. Poultry breeding is another side-industry tried in the State. This industry has a large scope for development provided the supply of reliable pedigree and stud cocks is liberally made in rural areas and special precautions against epidemics among the birds are taken. Biddi making is also becoming a profitable local side-industry and it has established itself fairly well.

The total value of goods imported into the State during 1935-36 was Rs 22,95,080 and that of goods exported, Rs 6,81,358.

The number of factories turning out wooden lacquered goods and toys was six. The total value of goods turned out in these factories during the year under report was about Rs 4,100.

There are seven saw-mills in the State, which have also rice hullers and flour mills attached to them. There are eight rice mills in the State, four in Kudal Petha and four in Banda Petha. There are five rice and flour mills in Kudal Petha and four in Banda Petha. There are eight oil engines, six in Kudal Petha and two in Banda Petha, for lifting water for irrigation purposes. Four of these have got rice hullers attached to them.

The number of hand-looms working in the State was 132. These turned out about Rs. 15,176 worth of Khadi Panchas, coating, shirting etc.

There are 10 biddi factories in the State using the leaves of Kala Kuda (wraghna tinctoria) as wrappers, for which there is a fair demand.

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ascetics visit the place on that occasion besides a very large number of Hindus of all ranks

ANANDGARH FAIR—This is held at Anandgarh which is at a distance of about 16 miles from Rewa. The fair begins from the Ramnaumi day each year and continues for seven days.

It is notable because of the Industrial and Agricultural exhibits. Elephants and camels; horses and bulls etc., are sold. It is also important for religious point of view.

The fair is attended by a large number of State officials and people from outside. His Highness the Bandhvesh Maharaja Sahib Bahadur of Rewa takes a keen interest to make the fair a most successful one in the interest of State people and himself graces the occasion.

SEMARIA FAIR—It is held at Semaria which is at a distance of 25 miles from Satna Railway Station. The fair commences from the Basant Panchami day each year and continues for three days.

It is famous both from religious, Industrial and Agricultural point of view. Traders from the neighbouring States gather here to buy various commodities, specially cattle. The State takes much interest to make the fair prosperous and successful.

PUNJAB AGENCY STATES.

The Punjab Agency States covers an area of 31,241 sq. miles and has a population of 4,472,213. The principal states in the Agency with thick population are LOHARU (23,338), SIRMUR (148,568), BILASPUR (100,994), MANDI (207,465), SUKET (58,408), KAPURTHALA (316,757), MALERKOTLA (83,072), FARIDKOT (164,364), CHAMBA (146,870), PATIALA (1,625,520), JIND (324,676), NABHA (287,574), and BAHAWALPUR (984,612).

The most important of the States in the Agency is Bahawalpore State. With an area of 15,000 sq. miles and a population of 984,612 it is situated in the Punjab. The State has made considerable progress in cultivation by a system of inundation canals. The chief crops are wheat, rice, millet and gram. The only industries of the State are the manufacture of silk lungis, silk cloth and metal cups. Crude soda is manufactured and exported. There are mills and cotton mills. Porcelain vessels, shoes and painted cloth are made in AHMADPUR EAST and KHAIRPUR.

Other important States in the Agency are Patiala and Nabha. The former contains 14 towns and 3,580 villages, distributed into 5 districts, each under a nazim. The area under cultivation in the State during 1933-34 amounted to 34,25,000 acres, the most important of the crops wheat (237,000 acres), bajra (423,000 acres), pulses (428,000 acres), oilseeds (mainly rape seed and sesamum) (127,000 acres), cotton (244,000 acres), fodder crops (454,000 acres). The chief crops grown in Nabha are gram, wheat, pulses, bajra, barley, sugarcane and cotton. Stone is quarried in some of the hills in Bawal, as also kankar and saltpetre. The chief industries are the manufacture of silver and gold ornaments and brass utensils for local need. Lace, cotton, carpets and fabrics are among the other manufactures. Cotton presses, ginning factories and oil mills have been established.

RAJKOT STATE.

It has an area of about 290 sq. miles with a population of 75,566. The principal crops are grain, sugarcane and cotton which are largely exported. Cotton and woollen cloths are also manufactured here to a small extent. The principal exports are cotton, yarn, molasses.

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of coir yarn had a total value of over Rs. 20½ lakhs, of which shipments to the United Kingdom accounted for nearly Rs 5½ lakhs and those to Germany nearly Rs 5½ lakhs. Exports of other kinds of coir manufactures had a total value of over Rs. 37 lakhs. Exports of raw rubber amounted in value to nearly Rs 21 lakhs; while in the metal group ilmenite accounted for nearly Rs 18½ lakhs and monazite for Rs 4 lakhs. The bulk of the shipment of ilmenite was destined to U S A. Monazite was exported mainly to U. S. A., Germany and France. Cashewnuts accounted for over Rs. 16 lakhs, and tea for over Rs. 5 lakhs. Exports of fibres for brushes and brooms were valued at nearly Rs 2½ lakhs and of spices at nearly Rs 2½ lakhs.

ALLEPPEY—The chief articles of exports are coir manufactures, pepper, raw rubber, tea, Cashew-kernels, dry ginger (chiefly to U. S. A. and Australia) and turmeric. The imports are metals, unmanufactured tobacco, cotton piecegoods, etc. Coir trade is done with U. K. and U. S. A., pepper with U. S. A., and rubber with Ceylon. Among the minor exports of the place important are cashewnut kernels, dry ginger, fish and turmeric.

QUILON—The principal article of import is unmanufactured tobacco (from Ceylon). The chief exports are tiles (to Ceylon) and canoes made of wood and timber.

COLACHEL—The exports are ilmenite sand and monazite sand to U. S. A., United Kingdom and France.

Other centres of trade are Kottar, Kayankulam, Changancherry and Trivandrum.

UDAIPUR STATE.

UDAIPUR STATE in Rajputana has a total area of 1,052 square miles, and a population of 97,720.

The principal crops in autumn are maize, jowar, til, cotton and sugarcane, while in the cold season the important staples are wheat, barley, gram and poppy. Irrigation is mainly from wells of which there are several thousands.

Among the minerals, lead, zinc and iron are found in the State but are not worked. White marble is available at **RAJNAGAR** and black marble near **CHITOR**. Sandstones occur near **DHEBAR**.

The chief products of manufacture in the State are swords, daggers, embroidery, ivory, tin utensils, stone toys, earthen jars, wooden bangles and cotton cloth printed in gold and silver.

WANKANER STATE.

The principal agricultural products of the State (area, 417 sq miles; population, 48,307) are grains, sugarcane and cotton. A kind of black marble is obtained and quarried in this State which has few ginning factories. The lines from Morvi, Wadhwan and Rajkot meet at Wankaner, and seven miles from it lies the well-known shrine of God Mahadev known as Jadeswar.

in Bombay and above-ghat places. The total value of out-turn of these factories during the year was about Rs 1,59,000

TRAVANCORE STATE.

Travancore State (area 7,624 sq miles, population 5,095,973, languages, Malayalam and Tamil) is the most beautiful in the southern area and has the densest population in India. It is pre-eminently an agricultural country and the principal crops grown are rice (704,000 acres), cocoanut (587,000 acres), palm, pepper, arecanut, jack fruit, tapioca, ginger and cardamoms. Coffee and tea (76,000 acres) are grown on the hills. Rubber is grown on 96,772 acres.

Cotton weaving, manufacture of coir mats and matting, manufacture bricks and tiles, expression of cocoanut oil, paper manufacture, roasting and packing of cashewnuts, collection and separation of mineral sands such as monazite, ilmenite and zircon are the chief industries of the State. Alleppey is the important centre for the manufacture of coir mats and mattings and also for the expression of oil. There are also a good many factories for the manufacture of bricks and tiles, Quilon being the chief centre.

The chief exports are the products of the cocoanut tree (copra, coir, fibre, oil and nuts) pepper, tea, jaggery, arecanuts, dry ginger, salted fish, timber, hides, tamarind and coffee. The chief imports are tobacco, rice, piece goods, cotton and thread.

The Rubber Factory which was started at Trivandrum and which worked for some time as a purely Government concern was leased out, in December 1936, to a private company called the general policy of Government that, in regard to industries, Government should generally assist existing industries and in some cases initiate them and hand them over to private enterprises when such were forthcoming.

The scheme for establishing a Clay Refining and Porcelain Factory is in progress. Thirty acres of land have been acquired at a place called Kundara near Quilon for working the factory and the work of constructing the required buildings is in rapid progress. Most of the machinery ordered for the factory have arrived and work in the factory consisting of the washing and purifying of china clay and also manufacture of stoneware and porcelain wares will commence shortly.

The total value of the foreign sea-borne trade of Travancore ports of which the most important are Alleppey and Quilon is as follows —

| | 1933-34 | 1934-35 | 1935-36 | 1936-37 |
|---------|----------------------|---------|---------|---------|
| | (in lakhs of rupees) | | | |
| Imports | — | 21½ | 28 | 39 |
| Exports | — | 142 | 133 | 155 |

On the import side, the value recorded under the metals group in 1936-37 was Rs 1½ lakhs, of which iron and steel materials formed the bulk. Supplies were received mostly from the United Kingdom. Imports of unmanufactured tobacco from Ceylon accounted for nearly Rs 4½ lakhs. The total value recorded under instruments and apparatus was Rs 2 lakhs. Cotton manufactures, consisting mainly of piece goods, imported during the year were valued at Rs 2 lakhs, machinery and mill work at Rs 3½ lakhs and paper and pasteboard at a little over Rs 1½ lakhs. The imports of cashewnuts from the African coasts were valued at Rs 18½ lakhs. There was no import of rice from Siam during the year.

On the export side, Coir manufactures, the principal item accounted for about Rs 111½ lakhs. Exports of coir mats and matting were valued at Rs 34 lakhs and to Australia at over Rs 7 lakhs. Exports

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ing workshops, 13 ice and aerated water factories, 4 flour mills and 4 match factories employing 2,147 hands.

Timber:—The major supplies of timber in the province are in Tenasserim but their market both in Rangoon and outside Burma is restricted only by the high freights to Rangoon.

There is in Burma a growing market for furniture in woods other than teak. In point of beauty, teak is surpassed by a dozen or more Burma woods such as taunkyan (*Terminalia tomentosa*) and the two mahoganies, imma (*Chukrasia tabularis*) and kyana (*Garapa moluccensis*). Other possible export furniture woods of Burma are padauk (*Petrocarpus macrocarpus*), and thitka (*Pentace burmanica*). Though not an easy timber, Taunkyan has a very attractive colour and figure and is also relatively cheap and plentiful.

Burma's constructional woods, are gyo (*schleichera trifluga*), leza (*Lagerstroemia tomentosa*), and thingadu (*Parashorea stellata*). Her industrial or special use woods are such as yon (*Anogeissus acuminata*), binga (*Stephegyne diversifolia*) and yemane (*Gmelia arborea*).

There are 127 saw mills employing 11,000 men. These are located at RANGOON, AMHERST, MANDALAY, MAGWE, TOUNGOO, YAMETHIN. Saw mills are also situated at PROME, BASSEIN, MERGUI, PEGU, THARAWADDY, THATON, PAKOKKU, AKYAB, MEIKTILA, NORTHERN SHAN STATES, LOWER CHINDWIN.

Out of 58,000 c tons of teak wood exported in 1935-36 from India valued at Rs. 1.12 lakhs, Burma exported 56,441 cubic tons valued at Rs. 109 lakhs. Shipments took place mainly to the United Kingdom.

Trade:—The chief centres of trade in the Province are the seaports of RANGOON (Capital) MOULMEIN, AKYAB, BASSEIN, TAVOY, MERGUI, KYAUKPYU, SANDOWAY and VICTORIA POINT. In the interior, the centres of trade are MANDALAY, BHAMO, PAKOKKU, PROME, HENZADA and MYINTIN. The bulk of the trade of the ports is sea-borne. MANDALAY and BHAMO are the emporium of trade with China. In other places the traffic is partly river-borne and partly rail-borne. MOULMEIN sends timber (teak), rice and tobacco, AKYAB and BASSEIN rice, MERGUI fish, shrimp paste, dried prawn, salted fish, etc. TAVOY rice and other articles. RANGOON imports hardware, piecegoods, kerosene oil, salted fish, liquors and sugar. MANDALAY is the headquarters of the tea and jade trade. MYINGYU is concerned with cotton.

The chief items of the export trade of Burma are rice, timber (teak), cutch, hides, petroleum, India rubber, cotton, precious stones, tobacco manufactures, silk manufactures, etc. Paddy and rice form about 3/4ths of the total exports, the Province standing first as an exporter of these articles. The principal articles imported are piecegoods, silk, salted fish, wool, cotton, twist, gunny bags, betelnuts, liquors, tobacco, iron, mill machinery and sugar.

Of the important rice-growing countries Burma alone possesses a large exportable surplus. Exports of rice and paddy represent 40 p.c. of total exports of the Province. The total foreign exports of rice from Burma in 1935-36 were 1,205,339 tons and the coasting exports 1,173,000 tons. The chief purchasers of Burma rice and Ceylon, the Straits Settlements, Germany, China, U.K., Sumatra and F.M.S. Of the total exports Rangoon shipped 74 p.c., Bassein 12 p.c., Akyab 9 p.c. and Moulmein 5 p.c.

The total value of all minerals exported from Burma during 1935 was Rs. 22.54 crores. Minerals to the total value of Rs. 17.04 crores were exported to India and the minerals worth about Rs. 5.50 crores were exported to foreign countries. Minerals worth Rs. 103 lakhs were

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Minerals—Valuable minerals are found in the upper portion of the Province, petroleum in ARAKAN and tin in TAYOY and MERGUI districts. Oil-bearing areas are the dry zones of Upper Burma (Shan States). Gold, rubies, jade, amber and also coal have been found north of the 22nd parallel of latitude. Iron is found in the Northern SHAN STATES, in MERGUI and elsewhere, gold in the river beds of Upper and Lower Burma and is obtained by washing sand in Katha and Upper Chindwin. MAGOK is the headquarters of the ruby-mining area of Upper Burma and is situated about 60 miles east of the Irrawaddy. The richest oil-bearing tract is the valley of the Irrawaddy at about 21st latitude. Several Europeans work these mines. Jade is found in MYITKYINA district of Upper Burma. TAYOY and MERGUI districts produce sufficient tin. Salt production is a local industry and silver and lead occur in MYELAT district of the Shan States and also in MERGUI archipelago. Alabaster, steatite, mica, copper and plumbago are obtainable in the Province in small quantities.

Industries—The outstanding industry of the Province is rice milling. Rice mills are spread all over the country, e.g., Akyab, Rangoon, Myaungmya, Hanthawaddy, Tharrawaddy, Bassein, Insein, Yamethin, Amherst, Tavoy, Prome, Pyapon, Pegu, Henzada, etc. The rice is exported to that Near East in large quantities.

Among other industries of growing importance are oil pressing, lac factory, rope making, bricks and tiles making, cotton ginning, soap and chemical making, bone-crushing, engineering workshops, match making, glass manufacture, etc., etc.

Cotton weaving (most important industry) and silk weaving of various sorts, (the articles being chiefly used by higher class people) are carried on in PROME, MANDALAY, KYAUKSE and TAYOY district. Gold and silversmiths and jewellers ply a good business. Iron implements of a rough kind are made. There are brass and copper works and potteries too. Lacquer work (which is durable, light and economical) is common in Myingyu district. Mat weaving is a popular industry, rough paper for wrappings and umbrellas is made. Carts, boats and footwear are largely made. There are several cotton presses, iron works and foundries, many timber mills, ice-works and oil mills, etc., also exist. Burma silk is good and uniform but has the great drawback of not being twisted which prevents it from realising a profitable price. MANDALAY is still the chief centre for cloth printing. There are 8 factories employing over 850 persons. These factories turn out about 7,000 Longis per day. There are also printing factories established in RANGOON, HENZADA, YEGYI in the Bassein District, TAUNGTHA in Myingyan District, and MONYWA 60,365, 801 gallons of dangerous and 168,782,111 gallons of non-dangerous petroleum, 405 tons of tin concentrates, 698 30 tons of wolfram concentrates, 160 00 tons of tin concentrates carrying a little wolfram and 202 10 tons of mixed tin and wolfram concentrates were refined in Burma during 1934.

Factories—The number of factories in Burma at the end of 1935 was 965. The seasonal factories consist principally of rice mills, of which there are 647 with 41,302 workers, and cotton ginneries, of which there are 33. There are 29 oil mills employing 1,284 hands. Among perennial factories saw mills, of which there are 112 employing 10,079 workers, loom largest. There are one cotton mill and two hosiery and knitted underwear mills. General engineering factories number 18. Printing presses number 19 and most of these are in Rangoon. Petroleum refineries number nine with 7834 workers and lead melting and rolling mills two, with 2994 workers. Besides there were 3 ship-build-

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Indian Empire. Its rate of growth is considerable. A large portion of the increase in population is due to immigration from India.

About five-sixths of the maritime trade of Burma passes through Rangoon. And its importance will be realised when it is said that the history of the commercial development of the Province is very little more than a history of the progress of this single port. Since Rangoon became an integral part of the British Dominions, its trade has increased by leaps and bounds.

The Port is administered by a Port Trust which supervises the buoying and lighting of the river and provides and maintains wharf and warehouse accommodation. Rangoon is the terminus of all the lines of railways in the Province.

During the year the Commissioners had under consideration a programme of capital works which may involve the expenditure of about Rs 2 crores, mainly on the reconstruction of the wharves, during the next 15 years.

The total net tonnage of steamers entering was 4,278,639 tons, or 19,290 tons less than that, of the previous year. Out of the 1,598 vessels that entered, 959 came alongside the Commissioners' wharves, pontoons and jetties for the purpose of disembarking passengers and discharging cargo, as compared with 891 in 1934-35.

The total sea-borne trade of Rangoon amounted to 5,240,500 tons, representing a decrease of 347,639 tons, approximately 6 per cent of that of the previous year; of this total 1,745,505 tons were handled over the Commissioners' premises.

Rangoon is famous for its carvers in wood and ivory, and for the beauty of its silver work, which mostly takes the shape of embossed bowls. Many beautiful specimens of wood carving are to be found in Buddhist shrines.

The factories are for the most part concerned with the preparation of the three principal exports—rice, timber and oil. There are numerous rice mills, where the paddy brought from the surrounding rural areas is husked and otherwise prepared for the market. There are also a number of saw mills. The petroleum refinery deals with the produce of the earth oil wells of the dry zone of Upper Burma.

Imports, Foreign.

| | 1933-34 | 1934-35 | 1935-36 | 1936-37 |
|---------------------------|---------|-----------------------|---------|---------|
| | | (in lakhs of rupees). | | |
| Cotton manufactures | | | | |
| including twist, etc | 2,00 68 | 2,31 40 | 2,56 20 | 2,09 46 |
| Machinery and Millwork | 66 25 | 1,09 48 | 1,00 83 | 1,34 16 |
| Metals | 69 73 | 77 95 | 88 10 | 81 54 |
| Provisions | 69 65 | 76 16 | 86 17 | 92 99 |
| Hairdware, etc. | 26 55 | 31 87 | 35 08 | 33 20 |
| Oils | 32 51 | 51 51 | 66 73 | 87 12 |
| Liquors | 25 64 | 25 32 | 27 22 | 24 31 |
| Instruments, etc | 17 51 | 19 06 | 26 22 | 29 03 |
| Silk | 13 52 | 12 70 | 7 66 | 4 65 |
| Sugar | 20 96 | 16 73 | 16 05 | 4 02 |
| Wool, Manufactures of | 15 40 | 21 66 | 29 20 | 22 19 |
| Building Materials, etc | 10 20 | 10 24 | 11 14 | 9 88 |
| Paper and Pasteboard | 21 09 | 22 52 | 25 09 | 21 37 |
| Motor cars, etc. | 10 20 | 11 23 | 15 23 | 16 49 |
| Salt | 6 45 | 10 40 | 12 16 | 15 52 |
| Tobacco | 2 48 | 3 75 | 5 03 | 2 87 |
| Articles imported by post | 10 66 | 11 22 | 12 60 | 10 83 |
| Fish, etc | 10 80 | 12 52 | 15 12 | 13 46 |

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imported into Burma during 1935. The principal minerals exported to India were gold, bar-silver, pig lead, tin blocks and mineral oils of all kinds. The chief minerals exported to foreign countries were jade, bar silver, copper matte, pig lead, lead, tin ore, wolfram ore, zinc concentrates and mineral oils of various kinds. The principal imports into Burma from India were clay, coal and mineral oils while those from foreign countries were diamonds and other precious stones, chalk and lime, clay, coal, tin block and fuel oil, kerosene oil and lubricating oil. Imports during 1935 included fuel oils to the extent of 22.6 million gallons, kerosene oil 833,992 gallons and lubricating oils 615,574 gallons from foreign countries and 60,868 gallons from India.

Transport & Communication:—The railway system runs from Rangoon northwards, parallel to the course of the Irrawaddy. There are tramways, and two main systems of roads from Rangoon to Prome one to Toungoo and another to Pegu. Natural waterways and the Irrawaddy as far as Mandalay are navigable.

Paddy is generally carried down the streams of Burma by big and small boats during season which discharge their cargo to the mills, about 400 in number and mostly situated near the river banks. Some of these mills are quite big and employ as many as 1,600 hands.

There is a bus-traffic for carrying passengers from towns to the interior villages and suburbs. Motor lorries are used now-a-days as a means of communication for carrying goods.

Ports of Burma:—The chief ports of Burma are AKYAB, MOULMEIN, BASSEIN, TAVOY, MERGUI, KYAUKPYU, VICTORIA POINT, SANDOWAY and RANGOON. The following statement shows the value of the aggregate sea-borne trade of the whole Province of Burma with foreign countries, with Indian ports and between provincial ports.

| | 1933-34 | 1934-35 | 1935-36 | 1936-37 |
|--|----------------|----------------------|--------------|--------------|
| Foreign: | | (in lakhs of rupees) | | |
| Imports | — 8.57 | 9.84 | 10.87 | 10.65 |
| Exports | — 17.43 | 17.42 | 20.06 | 21.19 |
| Coasting: | | | | |
| Imports | — 9.31 | 10.61 | 9.96 | 10.93 |
| Exports | — 29.49 | 33.31 | 34.09 | 34.92 |
| Provincial: | | | | |
| Imports | — 1.80 | 1.91 | 1.87 | 2.12 |
| Exports | — 1.55 | 1.75 | 1.74 | 1.98 |
| TOTAL (inclusive of Treasure and Government Stores) | — 70.52 | 77.64 | 81.11 | 84.04 |

RANGOON.

RANGOON is the capital of Burma and headquarters of the Burma Government. It is situated on both sides of the Rangoon river—some 20 miles from the sea. The greater part of the city, that is the town proper, lies along the left or northern bank of the river. Behind the array of wharves and warehouses that line the north bank rise the buildings of the mercantile and business quarter. Standing on the outskirts the famous Shwe Dagon Pagoda dominates the town, the harbour and the surrounding landscape. Rangoon is now one of the biggest ports in the East. Rangoon has the double advantage of easy access from the sea and of a river navigable for 900 miles running into the country behind. Practically the whole trade of the Delta is concentrated in Rangoon.

It is said that after the three Presidency towns and the cities of Hyderabad and Lucknow, Rangoon is the most populous city in the

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Exports, Indian.

| | 1933-34 | 1934-35 | 1935-36 | 1936-37 |
|--|-----------------|-----------------------|-----------------|-----------------|
| | | (in lakhs of rupees). | | |
| Mineral oils excluding paraffin | 14,62 60 | 16,80 57 | 16,23 17 | 17,33 86 |
| Rice, husked and unhusked | 10,59 30 | 12,96 90 | 12,68 43 | 12,00 25 |
| Wood and timber | 1,82 73 | 2,03 30 | 2,40 58 | 2,27 17 |
| Grain and Pulse (excluding rice and paddy) | 38 28 | 45 00 | 83 75 | 93 91 |
| Lac | 8 70 | 9 98 | 4 95 | 6 57 |
| Fresh vegetables of all kinds | 28 61 | 21 62 | 21 64 | 28 48 |
| Paraffin wax and candles | 11 93 | 11 05 | 12 71 | 13 72 |
| Cutch | 5 57 | 5 42 | 5 80 | 6 24 |
| Tobacco | 9 27 | 3 25 | 4 02 | 5 26 |
| Other articles | 93 65 | 1,10 87 | 1,10 72 | 1,27 27 |
| TOTAL Indian Produce | 29,00 64 | 32,87 96 | 33,75 77 | 34,42 73 |

OTHER PORTS.

Principal articles traded in at the chief ports of the Province are given below —

MOULMEIN —Foreign Trade Imports include betelnuts, fruits and vegetables, provision and tea, while exports are made up of rice, rice bran, raw rubber, wood and timber and tobacco Coasting Trade Imports include kerosene oil, petroleum, fish, copra, gunny bags, sugar and provisions, while exports consist of rice, timber and paddy.

AKYAB —Foreign Trade Imports consists of metals and ores, liquors and sugar; while exports consist of rice, paddy, and bean Coasting Trade Imports include gunny bags, tobacco, manufactured tobaccos, cotton yarns, piecegoods, coal, betelnuts, coconut oil, groundnut, sugar; while exports consist mainly of rice and paddy.

BASSEIN —Foreign Trade Imports are insignificant; exports include rice and bean Coasting Trade Imports consist of grain and pulse, provisions, while exports consist of paddy, rice, and mineral oil.

TAVOY —Foreign Trade Imports consist of machinery, metals and ores, oils, sugar, jute manufactures while exports consist of rice, tin, wolfram ore Coasting Trade Imports include kerosene oil, petroleum, tobacco unmanufactured, tobacco manufactured, cotton manufactured, carriage, hardware, liquors, provision, candles, groundnut, etc Exports consist of rice, fish, provision, hardware, etc

MERGUI —Foreign Trade Imports include machinery, sugar, provisions, manufactured goods while exports include tin, raw rubber, shells, fish, rice. Coasting Trade Imports include rice, petroleum, kerosene oil, tobacco unmanufactured, tobacco manufactured, piecegoods, provision, sugar etc, etc, while exports consist of fish, tin, hardware and dyeing and tanning substances

Proportion of total trade shared at the different ports in the province during 1935-36 follows —

| | Foreign Trade. | Coasting Trade | Total. |
|----------|----------------|--------------------|--------|
| | | Indian Provincial. | |
| Akyab | 0.78 | 4.66 | 3.52 |
| Moulmein | 1.97 | 3.59 | 3.19 |
| Bassein | 1.48 | 5.38 | 3.64 |
| Tavoy | 3.18 | 0.06 | 1.87 |
| Mergui | 1.37 | 0.09 | 1.31 |
| Kyaukpau | — | 0.03 | 0.09 |
| Rangoon | 91.11 | 86.16 | 86.24 |

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| | 1933-34 | 1934-35 (in lakhs of rupees). | 1935-36 | 1936-37 |
|-------------------|----------------|----------------------------------|-----------------|-----------------|
| Earthenware, etc. | 8 12 | 7-29 | 9 31 | 9 22 |
| Apparel, etc. | 10 20 | 8-95 | 7-03 | 25-51 |
| Soap | 12 71 | 7-92 | 2-24 | 7-49 |
| Other articles | 1,35-57 | 1,51-26 | 2,18 40 | 2,11-53 |
| TOTAL | 5,43-19 | 5,70-44 | 10,72-84 | 16,69-67 |

Imports, Indian.

| | 1933-34 | 1934-35 (in lakhs of rupees). | 1935-36 | 1936-37 |
|------------------------|----------------|----------------------------------|----------------|-----------------|
| Cotton Manufactures of | 1,11 29 | 2,17 75 | 1,71-54 | 1,87-51 |
| Jute Manufactures of | 1,45 75 | 1,41 51 | 1,21-49 | 1,12 59 |
| Tobacco | 55 55 | 45-51 | 67-37 | 77-01 |
| Coal | 35-15 | 42 51 | 41-44 | 37-23 |
| Grain and Pulse | 45 02 | 49-14 | 45-05 | 45 19 |
| Spices | 35-22 | 37 54 | 34-04 | 33 55 |
| Cotton Twist and yarn | 47 02 | 50 52 | 42-27 | 45 72 |
| Promotions | 32-47 | 34-71 | 37 51 | 39-21 |
| Oils | 15-23 | 14-09 | 31-59 | 35 55 |
| Fruits and Vegetables | 21-57 | 27-59 | 27-52 | 35 24 |
| Fish | 30 73 | 40-13 | 33 52 | 36 19 |
| Seeds | 10 11 | 25-11 | 18-51 | 13 55 |
| Metals | 21-54 | 33 55 | 41-07 | 55-54 |
| Hardware and Cutlery | 15-31 | 16 34 | 14 95 | 17 21 |
| Colr | 7-25 | 8-10 | 8-51 | 8 10 |
| Other articles | 1,55-59 | 1,53 32 | 2,28-08 | 2,47 15 |
| TOTAL | 8,76-73 | 10,04 03 | 9,73-56 | 10,77 74 |

Exports, Foreign.

| | 1933-34 | 1934-35 (in lakhs of rupees). | 1935-36 | 1936-37 |
|---|-----------------|----------------------------------|-----------------|-----------------|
| Rice, husked and unhusked | 2,41-77 | 3,17-22 | 3,33 14 | 3,52 14 |
| Paraffin wax and candles | 2,02-23 | 1,58-31 | 2,17-28 | 1,68-09 |
| Lead, pig | 1,51-74 | 1,35-35 | 1,75 27 | 2,24-92 |
| Teak wood | 57-33 | 55-47 | 1,08 65 | 1,43-07 |
| Cotton (raw) | 1,04-28 | 75-05 | 1,02-35 | 1,24 46 |
| Tin ore | 53-32 | 79-79 | 81-23 | 52 16 |
| Bran and Pollaris | 42 04 | 69 63 | 69-31 | 31-69 |
| Grain, Pulse and Flour (excluding rice and paddy) | 14 55 | 15-34 | 27-84 | 37-00 |
| Oilseeds | 23-20 | 39 21 | 31-16 | 41-23 |
| Rubber, raw | 13 12 | 28-46 | 31-78 | 51-21 |
| Hides, raw | 13-43 | 11-63 | 12 55 | 15 65 |
| Tobacco | 2-55 | 2 55 | 2-45 | 2-01 |
| Leo | 0 53 | 0 29 | 0 07 | 0-33 |
| Jade-stones | 1-20 | -30 | -65 | 1-15 |
| Woolfram ore | 54-40 | 1,07-25 | 1,49-57 | 1,05 28 |
| Nickel speiss | 8 55 | 12 14 | 13 37 | 14 17 |
| Zinc concentrates | 33-25 | 25-18 | 35 38 | 28-87 |
| Copper matte | 27-32 | 19-53 | 20 03 | 24 45 |
| Other articles | 65-24 | 47-35 | 23 16 | 45 21 |
| TOTAL Indian Produce | 17,34 53 | 17,32 02 | 19,95-36 | 21,10 59 |

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tured in Burma, or produced are without payment of the cess imported into British India, a cess of the same amount shall be levied in British India on the re-exportation of those goods to any country outside India and Burma

6. If at any time the duty leviable on the importation into British India of any goods is higher than the duty leviable in Burma on such goods on importation into Burma, a duty may be levied in British India on the importation of those goods from Burma not exceeding the difference between the said duties.

7. If and so long as an excise duty is leviable in British India on any goods produced or manufactured therein, a countervailing import duty (not exceeding the excise duty) may be imposed on similar goods produced or manufactured in Burma. Provided that—

(a) any such countervailing duty on steel ingots or on articles manufactured therefrom, may be imposed at any rate not exceeding the appropriate rate of refund authorised by section seven of the Iron and Steel Duties Act, 1934, and

(b) except in the case of goods mentioned in item forty of Part II of the Seventh Schedule to the India Act, no countervailing duty shall be leviable at a rate higher than that which will afford to goods produced or manufactured in Burma the same advantage as before separation over goods produced or manufactured outside Burma and India

8. Notwithstanding anything in this Part of this Order, any duties at any rate may be levied in British India on goods imported or exported by land from or to any country outside India and Burma

Provided that in fixing those duties and in the administration of the land customs, due regard shall be had to the principles underlying this Order, and if the import of any class of goods by land otherwise than on payment of the duties leviable on similar goods imported by sea or air affects seriously, or is likely to affect seriously, the advantages enjoyed by Burma under this Order, such steps, if any, shall be taken for safeguarding the interests of Burma as the local conditions may permit

9. The provisions of the Sea Customs Act, 1878, and of any rules for the time being in force thereunder relating to, and to goods imported or exported in, coasting vessels shall, notwithstanding separation, continue to apply in relation to, and to goods imported or exported in, vessels plying between ports in India and ports in Burma, as they apply in relation to, and to goods imported or exported in, ships plying between ports in India.

10. The definitions of "home trade ships" and "coasting ships" in sections two and thirty-seven A of the Indian Merchant Shipping Act, 1923, and the provisions of section two hundred and eighteen of that Act (which confers exemptions from the provisions of that Act relating to load lines) shall, notwithstanding separation, have effect in British India as if no distinction existed between India and Burma

11—(1) Nothing in this Part of this Order shall be construed as restricting in any way the exercise of any of the powers conferred by section twenty-three of the Sea Customs Act, 1878, or sections three, four and eleven of the Indian Tariff Act, 1934, but in exercising, or authorising the exercise of any of those powers the Governor-General shall have due regard to the interest of Burma and to the principles underlying this Order, and, except where it appears to him impracticable or unnecessary so to do, shall previously consult the Governor of Burma

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THE INDIA & BURMA TRADE REGULATION ORDER, 1937.

The following order regulates the trade relations which subsist between India and Burma after the separation of Burma from India

Part II. Provisions as to British India.

1 Except as otherwise provided in this Order no duties shall be leviable in British India on goods imported from, or exported to, Burma, in excess of the duties, if any, which are so leviable immediately before separation. Provided that this paragraph shall not apply—

(a) to opium, salt, salted fish or spirit, or
(b) to goods brought into Burma from places outside British India and Burma and, without payment of duty in Burma, brought thence into British India, or

(c) if Burma ceases to be a party to the International Tea Restriction Scheme as applicable to India, to tea

2 Except as otherwise provided in this Order all goods imported from, or exported to, a customs port or customs aerodrome in Burma shall in British India be deemed for the purposes of the Sea Customs Act, 1878, to be goods imported from, or exported to, a customs port or customs aerodrome in British India

3 No prohibitions or restrictions on import or export other than such as are specified in the Schedule to this Order shall have effect in British India with respect to the bringing of goods into British India from Burma or from British India into Burma

4—(1) The duties levied in British India immediately before separation on goods imported into British India from places outside Burma and India, or exported from British India into places outside British India and Burma, may only be reduced or abolished with the previous consent of the Governor of Burma. Provided that—

(a) import duties on goods which at the date of separation are not produced or manufactured in Burma may be reduced or abolished if not less than two months before the reduction or abolition takes effect the Governor-General of India has given to the Governor of Burma notice of the intended reduction or abolition.

(b) if under paragraph four of Part III of this Order the Governor of Burma has given notice to the Governor-General of India of the reduction or abolition in Burma of import duties on any goods which at the date of separation are not produced or manufactured in India, import duties on such goods may be reduced or abolished in British India

(2) Any consent of the Governor-General of India required under paragraph four of Part III of this Order to the reduction or abolition of any duty in Burma shall not be unreasonably withheld

5—(1) For the purpose of section three of the Indian Cotton Cess Act, 1923, and section three of the Indian Lac Cess Act, 1930, cotton, or lac (including refuse lac) produced in Burma shall in British India be deemed to have been produced in India.

(2) If at any time the cess leviable under either of the said Acts on any goods when exported from British India is higher than the cess leviable in Burma on similar goods when exported from Burma, a cess may be levied on those goods when exported from British India into Burma equal to the difference between the said cesses

(3) If while this Order is in force a new cess is imposed in Burma on the exportation to countries outside India and Burma of any goods produced or manufactured in Burma, then, if any goods so manufac

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Burma on the re-exportation of those goods to any country outside India and Burma.

6. If at any time the duty leviable on the importation into Burma of any goods is higher than the customs duty leviable in British India on such goods on importation into British India, a duty may be levied in Burma on the importation of those goods from British India not exceeding the difference between the said duties.

7. If and so long as an excise duty is leviable in Burma on any goods produced or manufactured therein, a countervailing import duty (not exceeding the excise duty) may be imposed on similar goods produced or manufactured in British India. Provided that—

(a) any such countervailing duty on steel ingots or on articles manufactured therefrom, may be imposed at any rate not exceeding the appropriate rate of refund authorised by section seven of the Iron and Steel Duties Act, 1934, and

(b) except in the case of goods mentioned in item forty of Part II of the Seventh Schedule to the India Act, no countervailing duty shall be leviable at a rate higher than that which will afford to goods produced or manufactured in British India the same advantage as before separation over goods produced or manufactured outside India and Burma.

8. A duty may be imposed in Burma on rice exported to India not exceeding that imposed on rice exported to other countries.

9.—(1) If at any time a limit is imposed on the quantity of Japanese cotton piecegoods that may be imported into India, the Governor of Burma shall also by notification impose a limit on the quantity of such goods that may be imported into Burma.

(2) The said limit shall be such as to secure that the quantity of Japanese cotton piecegoods imported into Burma from places outside India in each year does not exceed the total quantity of such goods imported into Burma from places outside India during the financial year commencing on the first day of April, nineteen hundred and thirty-four.

(3) Subject as aforesaid, the notification may impose separate limits with respect to particular classes of such goods.

10. Notwithstanding anything in this Part of this Order, any duties at any rate may be levied in Burma on goods imported or exported by land from or to any country outside India and Burma.

Provided that in fixing those duties and in the administration of the land customs, due regard shall be had to the principles underlying this Order, and if the import of any class of goods by land otherwise than on payment of the duties leviable on similar goods imported by sea or air affects seriously, or is likely to affect seriously, the advantages enjoyed by British India under this Order, such steps if any shall be taken for safeguarding the interests of British India as the local conditions may permit.

11. The provisions of the Sea Customs Act, 1878, and of any rules for the time being in force thereunder relating to, and to goods imported or exported in, coasting vessels shall, notwithstanding separation continue to apply in relation to, and to goods imported or exported in, vessels plying between ports in India and ports in Burma as they apply in relation to, and to goods imported or exported in ships plying between ports in Burma.

12. The definitions of "home trade ships" and "coasting ships" in sections two and thirty-seven A in the Indian Merchant Shipping Act, 1923, and the provisions of section two hundred and eighteen of that Act (which confers exemption from the provisions of that Act

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(2) References in this paragraph to any enactment are references to that enactment as in force on the first day of January, nineteen hundred and thirty-seven.

Part III. Provisions as to Burma.

1. Except as otherwise provided in this Order, no duties shall be leviable in Burma on goods imported from, or exported to, British India in excess of the duties, if any, which are so leviable immediately before separation. Provided that this paragraph shall not apply—

(a) to opium, salt, salted fish or spirit, or

(b) to goods brought into British India from places outside British India and Burma and, without payment of duty in British India, brought thence into Burma, or

(c) if Burma ceases to be a party to the International Tea Restriction Scheme as applicable to India, to tea

2. Except as otherwise provided in this Order, all goods imported from or exported to, a customs port or customs aerodrome in British India shall in Burma be deemed for the purposes of the Sea Customs Act, 1878, to be goods imported from, or exported to, a customs port or customs aerodrome in Burma

3. No prohibitions or restrictions on import or export other than such as are specified in the Schedule to this Order shall have effect in Burma with respect to the bringing of goods into Burma from British India or from Burma into British India.

4—(1) The duties levied in Burma immediately before separation on goods imported into Burma from places outside Burma and British India, or exported from Burma into places outside Burma and British India, may only be reduced or abolished with the previous consent of the Governor-General of India. Provided that—

(a) import duties on goods which at the date of separation are not produced or manufactured in India may be reduced or abolished if not less than two months before the reduction or abolition takes effect the Governor of Burma has given to the Governor-General of India notice of the intended reduction or abolition;

(b) if under paragraph four of Part II of this Order the Governor-General of India has given notice to the Governor of Burma of the reduction or abolition in British India of import duties on any goods which at the date of separation are not produced or manufactured in Burma, import duties on such goods may be reduced or abolished in Burma

(2) Any consent of the Governor of Burma required under paragraph four of Part II of this Order to the reduction or abolition of any duty in British India shall not be unreasonably withheld

5—(1) For the purposes of section three of the Indian Cotton Cess Act, 1923, and section three of the Indian Lac Cess Act, 1930, cotton or lac (including refuse lac) produced in British India shall in Burma be deemed to have been produced in Burma

(2) If at any time the cess leviable under either of the said Acts on any goods when exported from Burma is higher than the cess leviable in British India on similar goods when exported from British India a cess may be levied on those goods when exported from Burma into British India equal to the difference between the said cesses

(3) If while this Order is in force a new cess is imposed in British India on the exportation to countries outside India and Burma of any goods produced or manufactured in British India, then, if any goods so manufactured or produced are without payment of the cess imported into Burma, a cess of the same amount shall be levied in

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MARKET PLACES OF NEPAL.

NEPAL is an Independent Kingdom occupying the southern ranges of the Himalaya mountains and across the northern frontier of British India. It is bounded on the north by Tibet, on the west, by the British districts of Pilibhit, Kheri, Bahraich, Gonda, Basti, Gorakhpore, Champaran, Muzaffarpore, Darbhanga, Bhagalpore and Purnea, on the east, by the British district of Darjeeling and Sikkim State. Nepal is about 450 miles in length from east to west and 160 miles in breadth. The area of Nepal is about 56,000 square miles and has a population of about 55,80,000 in Nepal Proper and of about 4 lacs outside. The chief languages generally and commercially spoken are, Nepali, Newari (Nepalhasha), Tamang, Gurung, Magar, Khamti, Bhutia and Hindustani.

AGRICULTURE—It is largely an agricultural country. The principal crops of the country are rice, wheat, maize, millet, barley, buckwheat, oats, oil-seeds, red pepper, potatoes, radishes, sugarcane, ginger, turmeric, garlic, red potatoes, gram.

ANIMALS—Poultry-keeping and breeding forms a common feature in rural and urban areas. Cows and buffaloes are usually reared mostly by agriculturists, partly for milk-supply, and partly for manure and ploughing in the rural districts. Ghee manufacture forms a subsidiary source of income in the village and hill districts as ghee has a popular market all over the country. Sheep-breeding and wool-culture forms favourite and useful pastimes amongst the farmers and hill weavers. Quails, pigeons, parrots are reared here and there for fun and pleasure. Horses of local and foreign breed are usually reared by civil and military circles. Elephant-breeding and hunting forms a favourite pastime in princely circles. Buffaloes and goats are imported from the west and sheep from Tibet. Deer, tigers and leopards abound in the forests and are occasionally hunted.

SYLVICULTURE—The forests of Nepal are famous for their various kinds of timber and wood, and attract a fair source of income to the Government by allowing leases to Indian contractors. Some of them are being used for match and frame factories. They are a rich source of income, for the numerous herbs and drugs abound and supply materials to Ayurvedic dispensaries and physicians and for export purposes. Cedrela, adina, schleicheria and eugenia found here in plenty, are of great economic importance. Himalayan tea and rubber trees have also been located.

MINES and MINERAL Deposits—There are several rock deposits at Amlekhgunj, etc for lime and cement industries. Mica, cobalt, asphalt, antimony, iron, copper mines have been explored. Amongst precious stones barytes and corundum have been found out. Coal and coal deposits have been located at Kapundol and other places. Facilities for mine survey are being given by the Government. Salt lakes have also been exploited at Thak.

TEXTILE MANUFACTURE—Hand-spinning and weaving form the home industries in rural and urban areas. Except in Kantipore, they are still cottage industries in the cities of Lalitpore and Bhaktapore. The flyshuttle and Hattersly looms find a place in some factories in the cities. The Government Technical School provides free teaching in

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relating to load lines) shall have effect as if no distinction existed between India and Burma.

13—(1) Nothing in this part of this Order shall be construed as restricting in any way the exercise of any of the powers conferred by section twenty-three of the Sea Customs Act, 1878, or sections three, four and eleven of the Indian Tariff Act, 1934, but in exercising, or authorising the exercise of, any of those powers the Governor shall have due regard to the interests of British India and to the principles underlying this Order, and, except where it appears to him impracticable or unnecessary so to do, shall previously consult the Governor-General of India.

(2) References in this paragraph to any enactment are references to that enactment as in force on the first day of January, nineteen hundred and thirty-seven, subject, however, to any adaptations made therein under section one hundred and forty-nine of the Burma Act.

14—(1) If his Majesty's Representatives for the exercise of the functions of the Crown in its relations with Indian States certifies with respect to any Indian State that the provisions of Part II of this Order will, with any necessary adaptations and modifications, be applied, so far as is reasonably practicable, in and in relation to that State as they are applied in and in relation to British India, then, unless and until the certificate is revoked by His Majesty's said Representative, the provisions of this Part of this Order shall have effect as if references to British India were references to British India and that State.

(2) A certificate for the purposes of this paragraph may be given before separation by the Governor-General of India.

SCHEDULE

Permissible Prohibitions and Restrictions.

- 1 Prohibitions or restrictions imposed for the purposes of public security
- 2 Prohibitions or restrictions imposed on moral or humanitarian grounds
- 3 Prohibitions or restrictions regarding traffic in arms, ammunition and implements of war and, in exceptional circumstances, prohibitions or restrictions on other military supplies.
- 4 Prohibitions or restrictions imposed for the protection of public health or for the protection of animals or plants against disease, insects or harmful parasites
- 5 Export prohibitions or restrictions imposed for the protection of national treasures of artistic, historic or archaeological value
- 6 Prohibitions or restrictions designed to extend to goods produced or manufactured in countries other than India or Burma the regime established within British India or, as the case may be, Burma, in respect of the production of trade in, and transport and consumption of, native, products of the same kind
- 7 Prohibitions or restrictions arising out of any obligation which India or Burma may have undertaken by virtue of its adherence to any scheme for restricting the production or export of tea, rubber or any other commodity

school of art attract a large number of foreign visitors. The famous Swayambhu Nath, Kathe Simbhu, Bodhi Nath Buddhist Chartyas attract thousands of pilgrims from Tibet, Bhutan, Sikkim etc. A fine fair market takes place during the winter season at Bodhi Nath. The holy Pashupati Nath Temple, located two miles north-east of Kantipore is open to, and visited by, about 50,000 Hindu pilgrims, sannyasis and saints of India during the Sivatatri days.

LALITPORE (Patan).

LALITPORE, as the name implies, is a "beautiful city" being rich in its wonderful artistic treasures and monuments. It is famous for its stupas and temple of Asokan and Nepalese art, such as the five Asokan stupas (Thours), Matsyendra Nath, Maha Buddha, Krishna and Kwabhat. It is visited for its highly artistic memorials by eminent people and scholars of the East and the West. Population 133,947.

It is the second city of Nepal, two miles south of Kantipore, situated on the eastern banks of the Bagmati. It is an ancient industrial and commercial town with a major number of arts and manufacturers, industrial artisans and smiths, and of merchants and traders supplying homemade and imported goods to the towns, districts and villages lying in the southern and south-eastern valley of Nepal and exports to India, Tibet, Bhutan, Sikkim and abroad, forest products, art metalware works, curios, Himalayan products, etc.

SUB-TOWNS etc.—KIRTIPORE (Agricultural centre), PHARPING (source of Nepal premier hydro-electric power), BUNGAMATI (agricultural centre), KHOKNA (mustard oil manufacturing centre), CHAPAGAON (forest products), HARSIDDHI (agricultural centre), GODAVARI (herbs and marble deposits), LELE, etc.

BHAKTAPORE.

It is the third city of Nepal, and it is noted for its agricultural produce and minor village industries. It is situated 7 miles east of Kantipore. It is well known for its ancient architectural temples and structures. Population 93,176.

BIRGUNJ.

It is an important, and transport centre, being nearest to the British Indian main frontier railway station, Raxaul, in the Champaran District on the Tirhoot Section of the B & N. W. R. line. Just nearby lies the Nepal Government Railway leading upto Amlekhgunj Station, where the local motor transport service takes passengers and goods upto Bhumphedi, 22 miles from Kantipore (Kathmandu). About 2 miles off lies the Telephone Office for direct communication with the capital. There is a bazar here where country produce and home made and imported goods find a good market. The Passport Office is also located here.

BIRATNAGAR.

It is a growing and prosperous town with a population of 68,571. Various kinds of Nepal produce are exported and foreign goods are imported. It is growing as an industrial centre.

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textile manufacture to all. The Central Jail Department has a weaving section and has also introduced power weaving. Under the auspices of the Udyog Parishad (Development Board), the Nepal Vastrakala Prachar Sanstha (Textile Institute), has also been set up. The Chandra Kamdhenu Charkha Prachar Mahaguthi established by the Government about a decade back, is spreading the industries amongst the women and all. The Government has also arranged for further experimental cotton cultivation in different parts of the country. Woollen blanket weaving, carpet weaving and embroidery work are subsidiary industries to-day.

EXPORTS from NEPAL into INDIA are grains, oilseeds, and pulses, cattle, sheep and ponies, hides and skins, timber and woods, herbs and drugs, red pepper, cardamoms, turmeric, borax, madder, musk, gorachan, turpentine, churetta curios and art Buddhist metal-ware, crystal images, cloth shoes and boots, jute bags etc. The total exports amount to about Rs 261 lacs.

IMPORTS from INDIA to NEPAL—Cotton and cotton yarns, mill dhories, silk and silk goods, shawls, alwan and dhussas, chaddai, rock salt, sugar and provisions, tobacco-leaf, betel-leaf, Aligarh-Cutlery and hardware. Kashi printed fabrics, Dacca muslins, saris and chaddar etc. etc.

IMPORTS from ABROAD—By the Treaty of Friendship between Nepal and Great Britain all imports are duty-free in British Indian ports such as Calcutta. Imports from the United Kingdom and British dominions, Japan, Germany, Italy, France, Czecho-Slovakia, Belgium, U. S. America, China etc. include cotton piecegoods, leather requisites, porcelainware, cutlery, Machinery, silk yarn and goods, perfumery, glass and glassware, electric and radio accessories.

IMPORTS from INDIA and ABROAD into NEPAL—come to about Rs 150 lacs.

EXPORTS from NEPAL into TIBET—Cotton and woollen cloth, cotton piecegoods, silk and silk goods, hardware, spices, herbs and drugs, rice and pulses, wheat, copper, bell-metal and iron utensils, Buddhist images and metalwares of Nepalese art, cloth, shoes and boots, medicines, dried fruits.

IMPORTS from TIBET into NEPAL—Include sheep and yak-tails (chamar), pashmina (shawl wool) and carpets, salt, borax, musk, yellow arsenic, gold-dust, tea, etc.

The centres of trade with India are—Birgunj, Nepalgunj, Pashu-patinagar (Ilam), Bhadrapur, Butaul, Hanumannagar, Dhulabari etc. **CHIEF CITIES**—The chief cities of Nepal are, Kantipore, Lalitpore and Bhaktapore.

KANTIPORE.

KATHMANDU, renamed **KANTIPORE**, the capital of Nepal, is situated on the east bank of the Vishnumati river. Lat 27 degrees 36 seconds: Long. 85 degrees 24 seconds. Elevation about 4,350 feet above sea-level. Population 134,442. Distance 622 miles north-west from Calcutta and 72 miles from Raxaul Station on the Tirhoot Section of the B. and N. W. Ry.

It is an industrial, mainly commercial centre and commands a premier place in the trade and commerce of Nepal. There are numerous small industries and a large number of the chief mercantile firms carry on import and export trade in this city. It is well-provided with the modern facilities, such as electric energy for industrial purposes, transport services such as ropeway transport, trolley service. Besides the Central Customs Department is located here. The highly artistic carvings and architectural buildings and shrines exhibiting the Nepalese

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to the Lodging fees and lighting charges. In the case of students readmitted after failure in the examination and also of students who are not allowed to appear for the examination for unsatisfactory progress in studies the combined fee of Rs 50/- per term or Rs 150/- per annum shall be charged for.

Students from other parts of India including Indian States will be charged a fee of Rs 400/- per term, or Rs 1200/- per annum, payable in advance for tuition and lodging.

AGRICULTURAL COLLEGE, BURMA, Bawdigon, P. O., Mandalay.

Recruitment of students is suspended for the time being. Research work in agricultural science is being carried on.

ALLAHABAD AGRICULTURAL INSTITUTE, ALLAHABAD, U. P.

Intermediate Examination in Agriculture—This is a two years course under the Board of High School and Intermediate Education U. P. Every candidate for admission must have passed the Board's High School Examination, or an examination equivalent thereto. The annual fee Rs 21/8, monthly fees Rs. 10 (tuition), room rent, single room Rs 4, and 3-men room Rs 2-8, light and water about Rs 2/8, annual deposits Rs 18/-, subject to refund at the close of the year.

B Sc in Agriculture—This course is given by Allahabad University to which application for admission must be made. All instruction is given at the Institute. Candidates must have passed the Intermediate examination in agriculture. This is a two years course. Specialization is allowed in Agronomy, Pomology or Animal Husbandry and Dairying. Annual fees Rs 8-8, monthly, tuition Rs 12, and lab Rs 2, room rent, light and water as in the Intermediate course, annual deposits Rs. 15, subject to refund at the close of the year.

Indian Dairy Diploma—This is a course of 2½ years under the control of the Imperial Department of Agriculture. Candidates must have passed the High School Examination or an examination equivalent thereto, and be over 17 years of age. Annual fees Rs 24/8. Monthly fees Rs 15.

Note.—School year begins in July and applications for admission should be made by the middle of June. The prospectus is available from the Principal, Agricultural Institute, Allahabad.

BULANDSHAHR SCHOOL OF AGRICULTURE, Bulandshahr, U. P.

This school provides facilities for three types of Training to the students—

Diploma course—Meant for students who like to have full idea of the crops grown in the western part of the province as well as can follow the scientific principles underlying improved agriculture. The course is of 2 years and includes General Agriculture, Chemistry, Physics, Botany, Horticulture, Dairying and Engineering.

Practical Agriculture—This course of 6 months is known as Field-man course and is meant for those students who are interested in particular crop or crops and is thoroughly practical. This is for enabling students to learn scientific and economic farming within a short time.

Agricultural Engineering—This is known as Farm Mechanics course and is meant for those students who can after a short training work as Farm Mechanics on private farms or firms. This course (6 months) is thoroughly practical.

Different modes of remittances, transport of goods, etc. explained in **TRADER'S MANUAL**. Industry Book Dept, Calcutta. Price Re. 1.

TECHNICAL INSTITUTIONS

WITH PROSPECTUS

AGRICULTURAL & SERICULTURAL INSTITUTIONS

AGRICULTURAL COLLEGE, CAWNPORE.

Educational qualifications for admission—For the Intermediate in Agriculture, the High School Examination or a certificate of equivalent standing and for the B Sc (Ag) the Intermediate in Agriculture or any other examination in Agriculture recognized by the Agricultural University as equivalent thereto

Age—An age-limit is fixed in the case of candidates for Government service. In such cases the limit is 19 years, except when the candidate is admitted direct to the third year class, in which case the limit is 21 years at the time of admission.

Fees—Entrance fee Rs 15, Monthly tuition fee Rs 5. Monthly fees will be charged for 10 months only.

Admissions—Applications for admission should reach the Principal as soon after the 15th of April as possible. Early application is desirable as selections will begin to be made early in May. Candidates may apply in anticipation of passing the examination qualifying for admission.

Residence—Every student is required to reside in the College hostels. Special quarters Rs 10, per mensem per seat, Ordinary hostels, single-seated Rs 3-8, per mensem per student.

Cost of living.—Including board, lodging fees, and pocket money amounts to about Rs 35, per mensem. Accommodation is provided for large zamindars in special quarters on payment of Rs 10 per mensem as rent.

AGRICULTURAL COLLEGE, COIMBATORE.

The course extends over three years. The College is affiliated to the University of Madras, and this course leads up to the Degree of Bachelor of Science in Agriculture. Students from all parts of India are eligible for admission, but preference is given to those from the Madras Presidency and Coorg.

Candidates for this course shall be required to have passed the Intermediate Examination in Arts and Science of this or other Universities having offered as optionals CHEMISTRY and any two of the following subjects—Mathematics, Physics, Natural Science, Botany, Zoology including Human Physiology and Agriculture, or an examination accepted by the Syndicate of the Madras University as equivalent thereto. All applications for admission should be made to the Principal, Agricultural College, on or before 15th June each year. Candidates must have attained the age of 17 at the time of joining the College.

Students admitted from the Madras Presidency and Coorg shall be charged a tuition fee of Rs 40/- per term or Rs 120/- per annum, a lodging fee of Rs 2/4/- and lighting charges which do not ordinarily exceed Rs 1/- per mensem. In the case of re-admissions of students who are prevented from sitting for the University Examination on account of illness or other causes beyond their control, the lower fee of Rs 40/- per term or Rs 120/- per annum shall be charged in addition.

Different modes of remittances, transport of goods, etc. explained in
TRADER'S MANUAL. Industry Book Dept., Calcutta. Price Rs. 1.

Application for admission must be made by the 15th June at the latest.

For the Degree course a fee of Rs. 90/- per annum is charged, to each bonafide resident of the Central Provinces and Berar. Sons of bonafide agriculturists of the Province, are charged at the rate of Rs 60/- per annum. Students from outside the Central Provinces and Berar, other than students deputed by Local Governments and Indian States, are charged Rs. 180/- per session.

COLLEGE OF AGRICULTURE, POONA 5.

The College trains candidates for the Bachelor's and Master's courses in agricultural science of the Bombay University. Admission limited to 75 every year.

There are two terms per session and the degree course consists of three sessions. The terms are annually—First Term, 10th June to 30th September; Second Term, 1st. November to 20th February.

Fees Per session—Tuition Rs 150 for insiders and Rs 300 for outsiders. Room Rent Rs 40. College Gymkhana Rs 10, College Magazine Rs. 2.

In addition to the college fees mentioned above the University of Bombay has decided that a fee of Rs 20 should be paid by any student joining a college affiliated to the University of Bombay at any time if he is not a matriculate of the Bombay University.

Applications for admission should be made before 20th May every year.

Messing is managed by the students forming clubs. The monthly expenditure comes to about Rs 25 to Rs 30.

DACCA SECONDARY AGRICULTURAL SCHOOL, DACCA.

The minimum educational qualification is a pass certificate from class VIII of High English School.

The candidates must be about 19 years of age, 75 per cent of the seats are reserved for the sons of bonafide cultivators. The course will extend over a period of two years commencing from 15th January. It will include lectures and practical work in Agriculture, Botany, Dairying, Poultry, Veterinary Science, Insect and fungus pests, Farm Accounts and co-operation, Carpentry, Smithy, Surveying, Levelling and Estimating. Instructions are given in Bengali.

No fees are charged for tuition. All students must stay in the attached hostel and pay their messing charges which come to about Rupees Ten per month. Fifteen students are admitted each year, Government grants stipends at Rupees Ten per month to about half the number.

Application for admission should be made in prescribed form early in November and selection is made in December.

IMPERIAL AGRICULTURAL RESEARCH INSTITUTE,

New Delhi.

The Institute at Pusa having sustained very serious damage in the great Bihar earthquake of 15th January, 1934, it has been shifted to a new site near Delhi, the opening ceremony having been performed by His Excellency the Viceroy on 7th November, 1936.

Specialised courses are given in Agricultural Botany, Mycology, Entomology, Agricultural Chemistry and in Farm organisation and management. Distinguished science graduates, graduates of agricultural colleges and selected officers of Agricultural Departments are eligible for admission.

METHODS OF IMPORTS AND EXPORTS ARE DISCUSSED IN FULL IN TRADER'S MANUAL. INDUSTRY BOOK DEPT. Price Re. 1.

The first two courses begin 2nd January while No 3 begins from 1st. July each year

The tuition fee for No. 1 is Rs 3/- per month while for Nos 2 and 3 no fee is charged. No special qualification is desired in order to widen the scope of training except that the candidate should have knowledge of vernacular which is the medium of instruction here. The monthly expenses including everything come to about Rs 20/- per month. After successfully completing the course most of the candidates are employed by U P Department of Agriculture but no guarantee of appointment is given. Some candidates have been taken by Cooperative Societies, Court of Wards, Canal, Rural and other Development Departments. Progressive Zamindars employ a few candidates as Farm Managers.

The Farm Mechanics are capable of being appointed as Mechanics on farms, Tube well operators, Drivers of Oil engines and electric motors and foremen in workshops. Their training is thoroughly practical and they can start independent and profitable business.

CHINSURAH BHUTHNATH PAUL AGRICULTURAL SCHOOL, CHINSURAH.

The minimum educational qualification should be a pass certificate from class VIII of a High English School or its equivalent. They must be over 16 years of age.

The course will extend over a period of two years commencing from the formation of the classes in January. It will include lectures and practical works in Agriculture, Horticulture, Pisciculture, Floriculture, Botany, Dairying, Poultry farming, Veterinary science, Insect pests, Surveying, Levelling and Estimating. It also includes lectures in Co operation, Law and Zemindari and Farm accounts.

Application for admission should be made to the Secretary or Head master of the school with a certificate either from the University or from the Head master of the school the applicant last attended.

Accommodation is provided in hostel attached to the School. The tuition fee of the school is Rs 3 per month.

Each student is allowed a plot of land on which, he is personally responsible for the cultivation of crops.

COLLEGE OF AGRICULTURE, NAGPUR.

The course of training given at this College are —(1) The University or Degree Course, (2) The Certificate or Short Course.

The Degree course is a full course of agriculture, together with its allied branches of knowledge extending over 4 years. Applicants must be between 16 and 22 years of age.

The qualification ordinarily required, for entry into the College, for the Degree Course is a II Division Pass in the Matriculation or School Leaving Certificate Examination of the C P Board. Preference will be given to those, who have included Mathematics I & II, and Physics, in the subjects offered, for the examination.

The Certificate Course is a pure Agricultural Course with the minimum of science, and extends over two years (about 20 months of study). This course is intended primarily for agriculturists of the Central Provinces and Berar only. The entrance standard of students taking the two-years course, will be slightly below that of Matriculation or the High School examination or the Board Pass standard, but they must have sufficient knowledge of English and arithmetic, to pass the College entrance examination. This course is, however, held in abeyance, at present.

**METHODS OF IMPORTS AND EXPORTS ARE DISCUSSED IN FULL
IN TRADER'S MANUAL. INDUSTRY BOOK DEPT. Price Rs. 1.**

Re. 1 per mensem. 30 students admitted, (4) A six-months' Vernacular Dairy Class. Admission on 1st October every year. Tuition fee Re. 1 per mensem 10 students admitted, (5) An advanced course in Fruit and Vegetable Preservation of 7 months. Admission made on 15th of March every year. A tuition fee of Rs. 20 is charged every month. 6 students admitted, (6) A 15-days' Summer Fruit and Vegetable Preservation Course. Admission on 15th July every year. Tuition fee of Rs. 5 for the whole course, (7) A ten-days' course of Winter Fruit and Vegetable Preservation. Admission in February every year. Tuition fee of Rs. 5 for the whole course; (8) A Fruit Culture Course of two weeks' duration. Admission in February. Tuition fee of Rs 5 for the whole course; (9) A fortnight's Estate Managers' Class. Admission on 10th August every year. No tuition fee is charged, (10) A Bee-Keeping Course at Raision (Kulu) of two months' duration. Admission on 10th August. Tuition fee of Rs. 5 for the whole course, (11) A Bee-Keeping Course at Nagrota of two months' duration. Admission on 15th March. Tuition fee of Rs 5 for the whole course, (12) A Lohar Class of six weeks to two months' duration. Admission on 15th January. No tuition fee is charged; (13) A Fruit and Vegetable Preservation Course for Sub-Inspectresses of the Co-operative Societies. Duration 12 days. Admission in September. No tuition fee is charged. (14) Subsidiary Industries Course for Agricultural Assistants. Duration one month. Admission in January. No tuition fee is charged, (15) Special Course in Fruit Culture, etc, for Agricultural Assistants for six months. Admission in January every year. No tuition fee is charged.

The College, as it stands to-day, is the result of 28 years' growth, change and readjustment to the agricultural requirements of the province.

It has hostel accommodating about 223 students.

SERICULTURAL SCHOOLS.

For advanced students one year's course of training is provided in the sericultural nurseries at Berhampore in Murshidabad district and at Piasbari in Malda district. On passing the School Final Examination, the successful student is granted a reward of Rs 400 for the construction of silkworm rearing house. Six stipends of Rs 10 per month are offered annually at the Berhampore Sericultural Nursery School and ten stipends at the Piasbari Sericultural Nursery School. Primary classes are attached to the Government Nurseries at Piasbari and Amriti in Malda and also at the Kumarpur Sericultural Nursery at Beldanga in Murshidabad.

Other institutions are: Mysore Govt. Silk Filature, Mysore and Sericultural School, Rajshahi.

SUPPLEMENTARY LIST.

Baroda Farm, Baroda.

Dacca Agricultural School for the Teachers on Training, Dacca.

SCHOOLS OF ARTS & CRAFTS.

ALBERT TEMPLE OF SCIENCE AND SCHOOL OF ARTS,
337, Upper Chitpore Road, Calcutta.

Courses of Study:—Painting, Modelling, Lithography, Engraving, Art Teachership, Designing and Draftsmanship. A student passing through classes of the Drawing Department will be qualified to take

CLERK'S MANUAL—A COMPREHENSIVE MANUAL FOR THE
GUIDANCE OF CLERKS. Industry Book Dept., Price Re. 1.

Intending students should apply to the Director, Imperial Agricultural Research Institute through the Director of Agriculture of the province or State in which they are resident so as to reach the latter on or before the 15th September. Courses commence from 1st November and last for 2 years except in the case of the course in farm organisation which lasts for a year.

A tuition fee of Rs 25, per month is charged from each student which is payable in advance for each term. Furnished rooms in the Hostel are provided for accommodation, but the students have to make their own arrangements for meals.

Expenses of living do not exceed Rs 40 to Rs 50, per head monthly. In addition to the fee, a sum of Rs 15 to Rs 30, is required for purchase of books.

MYSORE AGRICULTURAL SCHOOL, HEBBAL, BANGALORE.

The school trains efficient and intelligent agriculturists. The course covers Geology, Zoology, Botany, Mycology, Dairying, Veterinary Science, etc.

In selecting students, preference will be given to those whose parents own land in Mysore and are engaged in supervising its cultivation. Admission will be given to those who have passed the S S, L C Examination (E C & P S).

The course extends over three years. No fee is charged for tuition. Medical attendance is free. No rent is charged for rooms and furniture. Government provide a number of scholarships.

A preliminary Entrance Examination in English and Arithmetic will be held during the first Monday of July. Session commences on the first of June.

The successful candidates at the end of the third year will be given the Diploma of Licentiatehip in Agriculture (L Ag).

PUNJAB AGRICULTURAL COLLEGE, LYALLPUR.

There are 4 courses of study: (a) A course for M Sc (Ag) extending over 1½ years, (b) A course for the B Sc (Ag) Degree in agriculture, extending over four years. The subjects taught include agriculture, chemistry, physics, botany, elementary zoology and entomology, veterinary science, mathematics, English, agricultural economics, land revenue and agricultural engineering including land surveying, (c) A Leaving certificate course, extending, over two years, (d) The medium of instruction is English.

About 80 students are admitted each year for the degree.

For the degree and leaving certificate course, the minimum qualification for admission is the matriculation examination of the Punjab University or any other equivalent examination.

Applications for admission to the degree and leaving certificate courses must be made before 20th May each year. Exact dates are given wide publicity in the press.

For degree students the total cost of living in the college, inclusive of tuition and other fees, is about Rs 40 to Rs 45, per month in the first and second years, and Rs 45 to Rs 60 per month in the third and fourth years.

Besides the above, the following courses are given—

(1) A Vernacular Course of a year's duration. Date of admission 1st April every year. Tuition fee Re 1 per mensem. Initial qualification—upper primary examination. 50 students admitted, (2) Teachers' Training Class of one year's duration. Admission takes place on 1st of April every year. No tuition fee is charged, (3) Mall Class. Duration one year. Date of admission 1st October every year. Tuition fee

CLERK'S MANUAL—A COMPREHENSIVE MANUAL FOR THE GUIDANCE OF CLERKS. Industry Book Dept., Price Re. 1.

Art Printing Dept gives instruction on Lithography and Chromo-lithography from Stone, Zinc, and Aluminium plates, Photo-lithographic Processes, Line Blocks in Zinc, Half Tone and other Photo-mechanical Processes. The average cost of living in the boarding house excluding school fees is about Rs. 12 per month for each student.

Training of Drawing Masters.

Applications must reach the Principal not later than July 1. Applicants must be between the ages of 18 and 23 and should have passed the High School examination of the Board of High School and Intermediate Education with Drawing as an optional subject, or an equivalent examination with Drawing as a subject. No candidate who has not resided in the United Provinces for a period of at least three years prior to the submission of his application will be eligible for admission in the class.

Course of study extends over two years. Students who have studied for two years in the Fine Art Class will however be allowed to complete their course for the Teachers' Training Class in one year instead of two.

INDIAN ART SCHOOL,

240A, Bowbazar Street, Calcutta.

Subjects taught, Drawing, Painting, Draftsmanship, Photography, Engraving, Lithography, Art Printing, Clay-modelling, Drawing Teachership, Commercial Art, and allied subjects.

Tuition fee: Rs 3/- p m in 1st Year Classes and Rs 4/- p m in higher classes. Fees payable at the time of Admission are Rs 10/- only in 1st Year classes, and Rs 13/- only in higher classes, etc.

Session commences in January and July every year. Students seeking admission here are expected to be at least Matriculates, but Non-Matriculates, are also admitted if they have a special taste and aptitude for Drawing. Students need not spend any big amount on books.

1. Drawing—(About 3 years), 2. Painting (About 6 years), 3. Draftsman Drawing (About 3 years), 4. Engraving (About 6 years), 5. Lithography (About 6 years), 6. Photography (About 2 years), 7. Art Printing (About 2 years).

INDIAN SOCIETY OF ORIENTAL ART,

12, Samabaya Mansions, Hogg Street, Calcutta.

Courses of Study include:

(1) Rupa-bheda & Pramanam—Forms & Measurements. Drawing from objects and models; Perspective, Enlarging and reducing drawings, Brush-work in ink and flat colours, Wood-engraving and painting, Sculpture in stone and wood.

(2) Bhava Lavanya Yojanam—Feeling and grace, Study of light and shade from natural objects, fruits, flowers, etc., etc., animal drawing and drawing of human figures, architectural details, brush-work and original composition.

(3) Sadrisyam & Varnikabhangam—Resemblance and the use of implements. Studies from nature and original composition.

No fees are charged.

MAHESWARPASA SCHOOL OF ART,

Daulatpur, Khulna.

Subjects in Instruction —1 All sorts of Drawing, 2 All sorts of Painting, 3 Commercial Designs, 4 Clay modelling, 5 Photography, 6, Bromide finishing.

Fees —There is no tuition fee for the students.

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up any one of the above special courses. Some knowledge of English and Mathematics is essential. Lectures are delivered in Bengali.

The School fees for all classes in the Drawing Department are Rs 2 and for all classes in the Art Department Rs 4. Admission and Transfer fees are the same as school fees. The session of the school begins from January but a student may have his admission at any time in a year.

GOVERNMENT SCHOOL OF ART, 28, Chowringhee, Calcutta.

The School is maintained by the Government of Bengal, and is under the control of the Director of Public Instruction, Bengal.

Courses of Study—(a) Fine Art (b) Indian Art (c) Commercial Art (d) Draftsmanship. (e) Lithography (f) Wood Engraving (g) Clay Modelling.

In each subject there is an Elementary course and an Advanced course, and only in cases of exceptional ability is permission given to join an Advanced course without first completing the Elementary course.

Only one subject may be taken at a time, but students who have completed one subject may afterwards take up another.

The School also provides a Teachership course which can be taken by selected candidates only after the completion of a full course of studies in one of the subjects.

The School year starts on the 1st July.

Applications for admission which must be made on a form to be obtained gratis from the school office should reach the Principal on or before the 15th June. The form is to be signed by the applicant's parent or guardian.

Applicants for admission should be between the ages of 15 and 18 years and must have passed the Matriculation or equivalent examination.

All application must be accompanied by specimens of the applicant's work in drawing and painting.

The following are the monthly fees charged for instruction in the various subjects for elementary and advanced courses respectively. Fine Art Rs 3 and Rs 5, Indian Art Rs 5 and Rs 5, Commercial Art Rs 5 and Rs 5, Draftsmanship Rs 5 and Rs 5, Lithography Rs 3 and Rs 3, Wood Engraving Rs 3 and Rs 3, Clay Modelling Rs 3 and Rs 3, Teachership Course Rs 5.

In addition each student on admission to the School must pay an admission fee equal to the monthly tuition fee and must deposit Rs 10 as caution money.

GOVERNMENT SCHOOL OF ARTS AND CRAFTS, LUCKNOW.

Application for admission must be made before June 30. An Entrance examination will be held about July 15. Application must be between the ages of 13 and 18 years.

The Fine Arts section, limited to 20 students, gives instruction in four branches of art work, viz, Still Life Painting, Figure and Landscape Painting, Portrait Painting from Life, Modelling from Life.

Metal Work Classes—Goldsmith's work (Jewellery Gold Casting, and Engraving), Silversmith's work (Shape-making, Engraving, Casting, and Repousse), Brass and Copper Smith's work (Repousse and Casting), Iron work (Hot and cold), Wood Work (Constructive, Turning, Carving, Inlaying, and Polishing), Architectural Decoration (on the flat, in colour and in relief). Applicants should have passed the 6th Class, for the above subjects.

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and Lacquer work are also admitted and given instruction in the particular subjects on payment of the fee of one rupee per mensem for each subject. There is no boarding arrangement. Admission as stipendaries is restricted to Travancoreans.

SIR J. J. SCHOOL OF ART, BOMBAY.

The course of study in the Elementary Drawing School is of 2 years. The advanced Schools of Drawing and Painting, Design, Modelling and Architecture (5 years' course) provide instruction to students desirous of following the professions of Painter, Designer, Modeller or Architect. The Normal School for Drawing Teachers is intended for students who propose to become Drawing Teachers in Government and Aided Schools. The Reay Art Workshops teach the following artistic crafts, metal work, wood work, stone-carving, house painting and decorating. The workshops are intended for the instruction of the sons of artistic craftsmen. The Commercial Art Section gives a training in all branches of Commercial work, to train students for the various Commercial Art Studios.

Applications must be made not later than 31st March.

Students seeking admission to the School in Architecture (six years course) must have passed (1) the university of Bombay Matriculation Examination or its equivalent and (2) the Intermediate Grade Drawing Examination of a similar standard.

The session commences in June. Fees—Elementary School Rs 20 to Rs 24 per annum. Advanced School Rs 20, 24, 32, 40, 50 respectively in 5 years. Architecture, Rs 60, 80, 100, 120, 140, 300 in 6 years. Students outside the Bombay Presidency are charged double fees. Commercial Art Classes Rs 30—40.

SOUTH INDIAN SCHOOL OF ARTS,

Palace Road, Attungal, Travancore.

The school offers correspondence course of instruction in Drawing and Painting to any one above the age of seven on oriental and western model. All sorts of drawings and paintings for various subjects in Engineering, Manufacturing and Industrial lines are taught. Coaches up pupils for the Madras Government Technical Examination in Drawing and Painting. Instructions are given in English language.

Fees, Elementary Course in Drawing and Painting Rs 15 to be paid in full or in 5 instalments.

SUPPLEMENTARY LIST.

Mysore Government Arts and Crafts Institute, 4, South Parade, Bangalore.

School of Art, Jaipur.

COMMERCIAL INSTITUTIONS.

ALEXANDRA COLLEGE OF COMMERCE,

York Building, Hornby Road, Fort, Bombay.

This College (Established 33 years ago) undertakes to coach youths and young ladies for the following Examinations—

Victorian Society of Public Accountants, Certified Public Accountants, Corporation of Accountants, Corporation of Certified Secretaries, Institute of Bankers (England & India), Institute of Commerce Ltd (England), Indian Merchants' Chamber, Pitman's Shorthand High Speed and Teachers Diplomas.

Disinfectants and Antiseptics give full details of preparing all sorts of insecticides and medicated cottons. Industry Book Dept., Price Re. 1/8.

The school session commences from June

The classes of the school are open to all students and outsiders for special study of Art

Students are required before admission to submit their works showing their ability to profit by the course of study proposed, or to undergo an Entrance Examination or any similar test at the school

Drawing Section—Time required is about 3 years

Painting Section—Time required is about 3 years Boys who have completed the course of Drawing up to final Drawing are allowed to take up painting

MAYO SCHOOL OF ARTS, LAHORE.

The work of the school is divided into five main sections —

Preparatory Sections, Industrial Arts Section, Commercial Art Section, Elementary Lithography Section and Fine Art Section

The Preparatory Section —One year's course Instruction is given in Drawing, Clay Modelling and Handicraft, such as Wood-work, Metal work and Decorative Painting

Industrial Arts Section —Three years' course Instruction is given in the following subjects —Cabinet Work, Blacksmithy, Copper-smithy and Silversmithy, Jewellery and Enamelling, Modelling in Clay and Plaster casting, Lacquer Works on wood

Fees vary annas 8 to Rs 2 p m and Rs 5 for the Fine Art Department

SCHOOL OF ARTS AND CRAFTS, MADRAS.

The minimum time suggested for any one course is three years and maximum allowed is from 5 to 6 years The students are started according to their individual ability Courses of study are Wood Work (including Cabinet making and Wood-Carving), Metal Working, Jewellery, Wood and Copper-Plate Engraving and Die Sinking, Lacquerwork and Painting, Design, Modelling, Advanced Drawing and Enamelling

Boys from the age of 12 years are admitted Students are admitted in the first week of July, provided seats are available

Fees for Fine Arts Classes, i.e. painting, modelling and advance drawing Rs 3 per mensem for students of the Madras Presidency and Rs 5 p m for those coming from other Provinces.

SCHOOL OF ARTS, TRIVANDRUM, TRAVANCORE.

The institution imparts instruction in Drawing, Ivory Carving, Pottery work, Smithery and Lacquer work Admissions are made once in 2 years in case of apprentices Course extends over a period of four years, i.e. two years for the first term and another two years for the second term The stipend at the rate of Rs 5 per mensem is paid to each apprentice for the first term and Rs 7 per mensem for the second term The minimum qualification for admission as a stipendiary is either the passing of the Vernacular seventh class or third form of an English High School Generally pupils who are below 12 years of age are not admitted They are coached up for the Madras Government Technical Examinations in Drawing and the syllabus laid down for the same is followed here Besides the stipendiaries other students are also admitted and given instruction only in Drawing and they have to pay a fee of Rs 12 per annum for the Lower Grade and Rs 18 for the Higher Grade payable in eight instalments The school year commences from the first working day of the month of Thai of every year and there will be a vacation for six weeks Pupils who wish to study any one of the handicrafts such as Carving, Smithery, Pottery

Disinfectants and Antiseptics give full details of preparing all sorts of insecticides and medicated cottons. Industry Book Dept., Price Re. 1/8.

A complete course will take 9 months to a year though shorter courses may be arranged to suit individual needs. Special facilities are given to groups of students sent by Mercantile Offices. Fees Ordinary Course Rs. 12/- per month (payable in advance). Special Fees may be quoted for Special Courses. Correspondence Course Rs. 25/- per month, plus postage etc. Text and Accountant Books Initial Cost Rs. 7/-.

CITY TELEGRAPH AND COMMERCIAL COLLEGE,

121-B, Bowbazar Street, Calcutta.

Telegraph & Ry Traffic Dept—Courses of study are. (1) Telegraphy (9 months' course, Rs. 8 monthly), (2) Wireless telegraphy (Full course Rs. 200), (3) Railway Traffic (Rs. 4 monthly), (4) Type Telegraphy (Rs. 9 monthly) and (5) Postal Signaller's Course (Rs. 12 monthly).

Commercial Dept—Courses of study are. Shorthand (6 months' course and 6 months' course for speed, Rs. 4 and Rs. 3 monthly), Typewriting (3 months and 3 months for speed Rs. 3 and Rs. 3 monthly). Book-keeping (Junior & Advance) (9 months' & 9 months' course, Rs. 5 and Rs. 6 monthly) and Accountancy (1½ y., Rs. 10 monthly). Full course Concession Payment system available.

COMMERCE COLLEGE,

10, Clive Row, Calcutta.

There are four courses of training. Session from July to March. Regular classes are held in evening.

(A) The Institute of Actuaries, London. A I A. Associateship Examination. Course 3 years. Fees Rs. 10/- per month.

(B) The Chartered Insurance Institute, London. A C I I. Associateship Examination. Course 2 years. Fees Rs. 6/- per month.

(C) Institute of Bankers, London. A I B Examination. Must be an employee of a Bank. Fees Rs. 6 per month.

(D) R A First Examination. Accountancy and Auditing. Fees Rs. 5 per month.

Candidates for the London Chamber of Commerce, P W D. Examinations and Rly and Govt. Competitive Examinations are also coached.

CORONATION COMMERCIAL COLLEGE,

Bunder Road, Karachi.

Subjects taught include Book-keeping and Accountancy, Higher Accountancy, Auditing, Mercantile Law, Banking and Currency, Business Methods, Theory and Practice of Commerce, Commercial History, Commercial Geography, Commercial Arithmetic, General English and Commercial Correspondence, Shorthand, Typewriting, Office Management, Economics and Taxation and also the Degree Courses.

Admission to the College is open to those having a fair knowledge of English.

Other Degree Classes are conducted according to two terms. 20th June to 10th October, 10th November to 10th March.

Higher Courses Rs. 50 per term, other courses and single subjects, average Rs. 6 per month per head per subject. Messing charges approximate Rs. 30 to Rs. 35 per month.

The college is the local centre for examinations of The Indian Union of Teachers, The Institute of Book-keepers, London, The London Association of Accountants, London, The Corporation of Accountants, Glasgow, The Faculty of Teachers in Commerce, Birmingham, The Phonetic Institute, Bath.

TO INCREASE YOUR CASH BUSINESS, READ THE RETAIL TRADE. INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA. Price Re. 1/-.

The Courses cover the following Subjects —Advanced Accountancy, Advanced Auditing, Book-keeping & Accountancy, Banking, Currency & Exchange, Business Organization, Business Training, Commercial Law, Company Law, Com Correspondence, Economics, Life Insurance, Fire and Marine Insurance, Secretarial Practice, Law & Procedure at Company Meetings, Theory & Practice of Commerce, Advertising, Pitman's Shorthand

Specialised Postal Training to Up-country Students

Up-country students are admitted at any time during the year.

ALL INDIA RAILWAY TRAINING, MEDICAL AND ART COLLEGE,
210, Victoria Park, Benares City.

Subjects taught Telegraphy, Type-writing, Shorthand and Railway traffic (all Railway works or Station-mastership), etc, etc

Fees —Admission into College Re 1/- Tuition Fee per subject varies from Rs 3 to Rs 25 per mensem, e.g. Telegraphy Rs 4, Type writing Rs 3, Shorthand Rs 4, Drawing Rs 9, Electrical Engineering Rs 25, Bath Treatment Rs 20, Ayur vedic Rs 10

Combined Subjects —Concession Fee is allowed to students taking up more than any two subjects

Period —Fixed or less according to intellect of the candidate A candidate finishing his course in less than the fixed period can get a certificate on completing full course and on passing the examination

Lodging Lodging, with Chaprai, Water and Electric Light, on Rs 2/8/- per month Fooding in Hostel Rs 7 per month.

AMERICAN CORRESPONDENCE COLLEGE,
Sohungunj, Kothushora, Subzimandi, Delhi.

The College undertakes to coach by postal tuition for the following examinations —

London Chamber of Commerce (London), Indian Union of Teachers (Karachi), Faculty of Secretaries (London), Institute of Commerce (Birmingham), Faculty of Teachers in Commerce (London), Association of Book-keeping Teachers (London), Institute of Book-keepers, (London), Pitman's Commercial Examinations (London), Indian Merchants' Chamber (Bombay), Etc, etc

The postal courses cover the following subjects —Book-keeping and Accountancy, Shorthand (Pitman's Gregg Sloan Duployan, and Clark's), Typewriting, Commercial Arithmetic, Handwriting, Life, Fire and Marine Insurance, Commercial and Company Law, etc, etc

Admission to the college is open to those having a fair knowledge of English Students Admission open throughout the year

Diplomas and certificates are awarded to successful candidates The College also prepares for the D Com (IMC) degree through postal tuition Tuition fees are payable by monthly instalments

The college is also a local examination centre for the London Chamber of Commerce, Royal Drawing Society (London), Institute of Book-keepers (London), Faculty of Teachers in Commerce (London), Institute of Commerce (Birmingham), Indian Union of Teachers (Karachi), College of Preceptors (London), etc, etc examinations

BATLIBOI'S ACCOUNTANCY CLASSES.

1-B, Old Post Office Street, Calcutta.

Specialised individual tuition for the leading English and Indian Examinations in Book-keeping and Accountancy Recognised by the Government of India, under the Auditors Certificates Rules 1932 3 lessons a week according to the choice and convenience of the student Either, Morning 8-30 a.m. to 9-30 a.m. or Evening 6-0 p.m. to 7-0 p.m.

TO INCREASE YOUR CASH BUSINESS, READ THE RETAIL TRADE.
INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA. Price Re. 1/-

Telegraph (Postal Standard) 12 months—monthly Rs 10/- contract Rs 95/-, Do (Railway Standard) 9 months—monthly Rs. 8/- contract Rs 65/-, Telegraph (Railway Standard) and Railway Traffic 9 months—monthly Rs 12/-, contract Rs 95/-, Telegraphy (Postal Standard) and Railway Traffic—12 months—monthly Rs 14/- contract Rs 120/-, Wireless Telegraphy 12 months—monthly Rs 20/-, contract Rs. 200/-, Radio Servicing and Mechanic's work 12 months—monthly Rs 30/-, contract Rs. 300/-, Shorthand 6 to 9 months—monthly Rs 5/-, contract Rs 40/-, Typewriting—6 months—monthly Rs 3/-, Book-keeping 12 months monthly Rs 8/-, Accountancy 18 months Rs 10/-, R A—monthly Rs 15/-.

Final examinations in Railway Telegraphy are conducted and Diplomas granted by the Dy Supdt of Telegraphs, E B Railway, and final examinations in Wireless Telegraphy are conducted by an officer deputed by the Director General, Wireless Telegraphs, New Delhi

Branches —97-A, Upper Circular Road, Calcutta, Chandernagore, Berhampur (Bengal) and Mymensingh

GOVERNMENT COMMERCIAL INSTITUTE,

11, Hastings Street, Calcutta.

Course of study for day classes (a) English—Text, Grammar and Composition, Indexing and Precise-writing, (b) Economics, (c) Business methods and Commercial Correspondence, (d) Arithmetic Commercial and Mental, (e) An Indian Vernacular—Text and Grammar, Translation and Composition, Indigenous Business Methods and Correspondence, Indian Economic Problems, (f) Commercial Geography and (g) Book-keeping Optional—Shorthand and Typewriting 2 years' course Admission fee Rs 5 and Tuition fees Rs 5 monthly payable from June to May of each year.

Evening classes —One or more of the following subjects can be taken —(1) Modern English, (2) Book-keeping & Accountancy (Junior), (3) Book-keeping & Accountancy (Advanced), (4) Mercantile Law, (5) Shorthand (Theory), (6) Shorthand (Speed), (7) Typewriting.

No admission fee is charged for the evening classes Tuition fees are Rs 3/- per month for one subject, Rs 4/- monthly for two subjects and Rs 6/- monthly for any three subjects

There is also provision for teaching first and final R A, in the evening Special fees for these classes have been fixed at Rs 36/- per term of six months, payable on admission in June, and in December

HARDINGE COMMERCIAL INSTITUTE,

82-2E, Cornwallis Street, Calcutta.

Shorthand, Typewriting and Book-keeping are the courses Scales of fees are—Shorthand Theory Rs 3, Shorthand speed Rs 2, Typewriting (Junior) Rs 2, Typewriting (senior) Rs 3, Book-keeping (Junior), Rs 3 (Advance) Rs 4 When two combined courses are taken a deduction of Re 1 is allowed and when three subjects are so combined the deduction is Rs 2

INDIAN MERCHANTS' CHAMBER,

Jehangir Wadia Building, 51, Esplanade Road, Fort, Bombay.

With a view to encourage the spread of commercial education among Indians, who select business as career, the Indian Merchants' Chamber has instituted a Commercial Examination Board to conduct under their auspices Commercial Examinations The Examinations are conducted on lines similar to those by various other foreign institutions and are divided into two classes, namely, Diploma and Certificate Examinations Certificate Examinations are again divided into two grades "Junior" and "Senior"

THE RETAIL TRADE—an exposition of Methods that build up Retail Trade. Industry Book Dept., Shambazar, Calcutta. Price Rs. 1/-.

DAVAR'S COLLEGE OF COMMERCE, LAW, ECONOMICS AND BANKING,

80-82, Esplanade Road, Fort, Bombay.

This College is the oldest College of Commerce in India, being established in the year 1900. It is recognised by the Director of Public Instruction, and is affiliated with All-India Accountancy Board for Company, Auditors' Examinations. There are Specialised Courses in Banking for Diplomas for the English Institute of Bankers (C. A. I. B.), the Indian Institute of Bankers (C. I. I. B.), the Company Auditors (R. A.); Diploma of the Corporation of Certified Secretaries of London (F. C. C. S.), the Chartered Insurance Institute of London (A. C. I. I., F. C. I. I.), and Incorporated Sales Managers' Association of England (A. I. S. M. A.), Association of International Accountants of England (A. A. I. A.), National Association for Salesmanship of London. Lectures are also given on Gregg Shorthand as well as for Senior Commerce subjects for Diploma and Certificate Examinations, of the London Chamber of Commerce held under the auspices of the Government Education Department and those of the Indian Merchants Chamber, D. Com (I. M. C.).

Courses of study.—(1) Book-keeping and Accountancy, 1 year's course, Fees Rs 100. (2) General Commerce course (London, C. C. & D. Com, I. M. C. including No. 1 Course), Fees Rs 200; (3) Registered Accountants, First Examination, Course including Nos. 1 and 2 Courses, one year's course, Fees Rs. 225, (3A) Specialised Salesmanship N. A. S. Examination, one year's course, Fees Rs 250. (4) Specialised Banking course (C. A. I. B.) (C. I. I. B.), Fees Rs. 350. (5) Specialised Company Secretarial Course, (F. C. C. S.), Fees Rs 350, (6) Secretarial, Accountancy and Commerce Combination Fees Rs 400, two years course, (7) International Accountants Course (A. A. I. A.), two years course Fees Rs 350, (8) Specialised Insurance Experts Course, Associateship Examination (A. C. I. I.), Fees Rs 350, (9) Specialised Insurance Experts Course Fellowship Examination (F. C. I. I.), 2 years after Associateship Examination, in all four years Fees Rs 500, (10) Incorporated Sales Management Course (A. I. S. M. A.) two years course, Fees Rs 350 and (11) Gregg Shorthand Course, Theory and Speed Combined, four months course, Fees Rs 30. Fees are allowed a rebate of 10%, if received full in advance. Arrangements for Postal Tuition.

Postal Tuition.—A special Department for coaching up-country students from India, Burma, Ceylon, Mesopotamia, etc., through post is also being worked for a number of years with great success side by side with personal teaching.

GEORGE PHONETIC SCHOOL, Benares City.

Subjects taught, Shorthand, Typewriting, Book-keeping, Higher Accountancy and Telegraphy. Affiliated by the London Educational Board, Minimum qualification Matriculation, Applicants must be below 24 at the time of admission.

GEORGE TELEGRAPH TRAINING INSTITUTE,

136, Bowbazar Street, Calcutta & 18-J, Park Street, Calcutta.

Offers training in Shorthand and Typewriting, (also special ladies' section), Book-keeping, Higher Accountancy including R. A., Telegraphy (Postal & Railway standard), Assistant Station Master's Course, Wireless Telegraphy and Radio Servicing and Mechanic's work. Matrics, under-graduates and graduates are eligible for admission. Non-Matrics are also admitted. Period of training and tuition fees—

THE RETAIL TRADE—an exposition of Methods that build up Retail Trade. Industry Book Dept., Shambazar, Calcutta. Price Rs. 1/-

merce It will also offer facilities, under trained investigators for post-graduate research in connection with the many problems of Indian economic development, past, present and future

Three messes have been organised hitherto two for vegetarians, viz, one for Gujaratis, one for Decanis, and one non-vegetarian mess for students from Northern India and others The boarding charges vary from Rs 25 to Rs 30 per month The messes are managed by the students themselves.

The University Examinations for the degree of B Com are—(a) The Intermediate Examination in Commerce, for which a student can appear after one year's course at the College, (b) The Bachelor of Commerce Examination (B Com), for which a student can appear two years after passing the Intermediate Commerce The examination for the degree of Bachelor of Commerce is held twice a year, viz, on the Fourth Monday in March and on the Second Monday in October and subsequent days

Candidates for admission to this College must, if they desire to take a University degree, have passed their Matriculation Examination, and must besides, possess one or the other of the following qualifications —

- (a) If they belong to the University of Bombay, they must produce a certificate from the Principal of an Arts College, affiliated to the Bombay University, showing in a form prescribed by the University, that they have satisfactorily carried out the work appointed for the first two terms in Arts,
- (b) If they belong to any other Indian University, they must produce a certificate that they have completely passed the Intermediate Arts or Science Examination of that University in each subject prescribed
- (c) The passing of the Intermediate Examination in Arts or Science subjects completely of the Boards of High School and Intermediate Education of the United Provinces, Rajputana, Central India and Gwalior will also qualify a candidate for admission to this College

Admission to the degree courses is accorded only at the commencement of the first term in June Candidates for admission should apply by letter stating their full University qualifications The applications should be sent so as to reach this office by 3rd June

Applicants, except graduates, must pass an entrance test. This test is held a few days before June 15th

A fee of Rs 100 per term is charged to students, who take the full University degree course, and must be paid in advance at the commencement of each term The rate of fees payable by students from Indian States and other provinces is Rs 125 per term

Graduates in Arts of Every Statutory Indian University and the University of Mysore, who have passed a degree examination with Economics as one of their subjects, and graduates in Commerce of other Statutory Indian Universities, and the University of Mysore, will be admitted to the B. Com. degree examination of this University, after an attendance of four terms (two years) at a Commerce College recognised by the Bombay University, provided that graduates in Arts thus to be admitted pass in Accounting at the Intermediate Examination in Commerce of this University, either before or simultaneously with the B. Com. degree Examination

Candidates, who have completely passed any one of the following examinations, which are declared to be equivalent to the Intermediate Examination in Commerce of the Bombay University, will be eligible for admission into the Junior (second year) B Com Class, and will

GUIDE TO DYEING & CLEANING A HAND BOOK FOR AMATEURS & PROFESSIONALS. INDUSTRY BOOK DEPT., Calcutta. Price As. 4.

KRISHNA KUMAR ASHRAM,
The School of Pitman's Shorthand and Typewriting,
1858, Ambal Para, Chanthai Peth, Puddukotah, S. India.

Offers training on Stenography Individual and Postal Tuition is given in Pitman's Shorthand and Typewriting, English, and Tamil for Lower and Higher grades

LUCKNOW CHRISTIAN SCHOOL OF COMMERCE,
Lucknow Christian College, Lucknow.

Subjects taught—Shorthand in English, Urdu and Hindi, Typewriting in English, Book-keeping and Accountancy, General Business Methods, Commercial and Official Letter-Writing, English, Manifolding, Precise Writing and Drafting The School is a centre for the London Chamber of Commerce Examinations which are conducted twice yearly in May and November.

Fees—One subject Rs 6 per month; Two subjects Rs 8 per month, Three subjects Rs 10 per month, Urdu Shorthand Rs 10 per month; Hindi Shorthand Rs 10 per month, Athletics, Library, Fans, Literary Society Re 1 per month. The school is a centre for London Chamber of Commerce Examinations, which are conducted twice yearly in May and November.

NATIONAL COLLEGE OF COMMERCE,
Albert Institute, 15, College Square, Calcutta.

The College offers training in Book-Keeping and Accountancy for examinations under London Chamber of Commerce, Higher, Institute of Bookkeepers (London), Fellows, B Com and M A. Com, Accountancy. Fees—Rs 50/-, payable Rs 10/- on enrolment and Rs 8/- in five subsequent monthly instalments The College also offers training in Shorthand Fees—Rs 3/- per month. Or Rs 50/- on a contract basis, from the start till the student attains 100 words per minute and Typewriting—Fee—Rs. 2/- to Rs 3/- per month

PREMIER INSTITUTE OF COMMERCE, JHELUM.

This Institute imparts high class training both by oral study and postal coaching in various commercial subjects viz —Shorthand, Typewriting, Book-keeping and Accountancy, Commercial Correspondence and Office Routine etc, etc.

The Institute is also a local centre for Pitman's Commercial Examinations

PREMIER TELEGRAPH TRAINING COLLEGE.
Ghandernagar, Chinsurah and Nabadwip

Offers training in Telegraphy, Shorthand and Typewriting and Book-keeping. Fees Rs 4 and Rs 2, per month. Boarding Rs 7.

SYDENHAM COLLEGE OF COMMERCE AND ECONOMICS,
BOMBAY.

The College offers—(a) An obligatory general course in Economic Theory, Industrial History, Commercial Geography, Foreign Trade, National Administration, Public Finance, Statistics, Mercantile Law, and Business Organization, (b) Optional courses in special subjects, which are selected by students in accordance with the particular demands of their intended vocation, e.g. Banking, Accounting, Actuarial Science, the Organization of the Cotton Trade and other to follow later on.

The College is affiliated to the University of Bombay, and provides a systematic course of study leading to the degree of Bachelor of Com

GUIDE TO DYING & CLEANING A HAND BOOK FOR AMATEURS & PROFESSIONALS. INDUSTRY BOOK DEPT., Calcutta. Price As. 4.

admission shall be submitted by letter a week in advance of the term, specifying the course chosen

AHSANULLAH SCHOOL OF ENGINEERING, DACCA.

Diploma Course in Civil Engineering—The full course is one of 5 years—the first two years is termed Sub-overseer course, the next two years Overseer course and the 5th year is for practical training. The minimum admission qualification is a pass in English and Mathematics in the Matriculation Examination but candidates passing in Mathematics are also admitted provided their marks are satisfactory. Age limit for admission to the Sub-overseer class is 19 years and that for Overseer class in the case of passed Sub-overseers from minor institutions is 21 years. Applications to be sent not later than the 21st June every year. The session commences early in July. The monthly fee is Rs 6/- in the Sub-overseer class and Rs 7/- for the Overseer class. No fee is charged during the practical training period. Admission fee equal to one month's fee. Messing and establishment charges do not exceed Rs 12/- per month.

Artisan Department—The course in the Artisan department is one of three years. The crafts or trades in which artisans are trained are (1) Carpentry, (2) Black smithy, (3) Fitting, (4) Turning, (5) Moulding, (6) Motor-mechanism, and (7) Electroplating and Spray-painting. No previous school training is laid down for admission but preference is given to boys who can read and write simple Bengali and also know a little of the multiplication table. Boys under 12 years are not admitted. Admission takes place at any time of the year except during the vacation. No fees, but a caution money of Rs 5/- is to be deposited at the time of admission. The course mostly practical but some theoretical lessons are also imparted on simple English, Bengali, Arithmetic, and Drawing and Estimating.

BENARES HINDU UNIVERSITY, ENGINEERING COLLEGE, BENARES.

Degree Course in Mechanical & Electrical Engineering.

Minimum qualifications for admission—Intermediate Examination with Mathematics, Physics and Chemistry. Candidates with third class qualifications are not admitted as the standard is high. The Course of Study is for 5 years, the fifth year being entirely devoted to Practical Training which is carried out at some establishment outside the University.

All applications for admission must be made on the prescribed form of the College and must be submitted not later than 31st March, not preceding 1st January.

The price of a copy of prospectus is Rs 2/- and that of an application form is annas eight only.

The session starts on the 1st Monday of July.

The whole College fees and hostel fees are realized in seven approximately equal instalments from third year students becoming due on the 1st July, 1st August, 1st September, 1st October, 1st November, 1st December & 1st January, and from First, Second and Fourth Year Students in eight equal instalments becoming due on the 1st July, 1st August, 1st September, 1st October, 1st November, 1st December, 1st January & 1st February.

The total monthly expenses amounts to from Rs 55/- to Rs 60/- per month.

The present tuition fee for the Session is Rs 180/- From July, 1939, the tuition fee for Third Year and from July, 1940, the tuition fee for fourth year will be Rs 200/- per Session.

Complete information on manufacturing all sorts of milk products are contained in Milk & Milk Products. Industry Book Dept., price Re. 1/8.

be admitted to the B Com. degree examination after an attendance of four terms (two years) at this College —

1 The Intermediate Commerce (Intermediate Arts with Commerce Group) Examination of the Delhi University 2 The Diploma Examination in Commerce of the Punjab University. 3 The First Year Examination in Commerce of the Punjab University. 4 The Intermediate Examination in Commerce conducted by the Board of High School and Intermediate Education, U P, Allahabad, if passed with 40 per cent marks in each subject 5. The Intermediate Examination in Commerce of the Andhra University, if passed in Economics, Geography, Banking and Accountancy

Admissions into the Junior (second year) B Com. Class are made in June and November terms every year.

SUPPLEMENTARY LIST.

Accountancy Classes, 3/1, Bankshall St., Calcutta.

Bailbair's Accountancy Training Institute, Yusuf Bldg., Church Gate Street, Fort, Bombay.

Bengal S D Shorthand Institute, 150, Lower Circular Road, Calcutta.

Bihar Commercial College, Mithapore, Patna

Central School of Commerce, 18, Kamtechi Joster St., Kumbakonam.

Commercial Academy, 72/A, Ashutosh Mookherjee Road, Calcutta

Govt Institute of Commerce & Accountancy, Bangalore.

Government School of Commerce Calicut

India School of Accountancy, Post Box 2020, Calcutta

Indian Commercial College, Chawk Kutchary Bazar, Sargodha

Kalbadevi Shorthand & Typewriting Institute, Kalbadevi Road, Bombay

Leutin's Commercial College, 33, Meadows St., Fort, Bombay.

Madras College of Commerce, Oriental Assurance Bldg., Armenian Street, Madras

Master's College of Commerce, 3/1, Bankshall St., Calcutta

Metropolitan School of Commerce, Trichinopoly.

Padhye's Shorthand & Typewriting Institute, Thakurdwar,

Bombay No 2

Royal Telegraph School, Ballimoran, Delhi.

Shorthand Typewriting School, Jonesganj, Jubbulpore, C. P

ENGINEERING SCHOOLS & COLLEGES.

ACADEMY OF ENGINEERING,

Andar Street, Teppakulam P.O., Trichinopoly.

The Academy conducts classes in civil and mechanical Engineering solely for external students and fits persons for offices as Draftsmen, Surveyors, Mechanics, etc

The tuition consists of instruction sheets, akin to oral lectures, mailed regularly besides tuition for a fortnight per term at the Academy

Each course covers a period of two years and the fee per course is Rupees one hundred and fifty or six instalments of Rs 27-8 each payable before the first mail day of each term

The supplementary tuition fee is Rupees ten per term Examination fee is Rupee one and annas eight per term Diploma examination (subsequent appearance) Rupees Five only

Admission is open at the beginning of every term to holders of S S L C. or equivalent irrespective of optionals Applications for

Complete information on manufacturing all sorts of milk products are contained in Milk & Milk Products. Industry Book Dept., price Re. 1/8.

passed the Cambridge Senior Examination (School Certificate) with Advanced Mathematics and Physics or Chemistry (if possible, both should be taken) or have obtained a first division pass at the School Final Examination (Science side).

B Sc's are eligible for direct admission to the 2nd year class as regular students if they have taken Physics, Chemistry and Mathematics, or Mathematics, Physics and Geology, or Mathematics, Chemistry and Geology in their final examination.

Occasional students who can convince the Principal that they are to be educated for employment in any firm of known standing may be admitted at his discretion.

Each application for admission must be accompanied by the registration-fee of Rs 4 which will, in no case, be returned. It must be made on the prescribed form and posted so as to reach the Principal's Office by 15th. June.

All candidates both I Sc's and B Sc's for direct admission must appear at an Entrance Examination in Drawing which will take place in the last week of June at the Bengal Engineering College and at Dacca, also at such centres in Assam as the Director of Public Instruction may fix or at any other Government College in Bengal, provided a minimum sum of Rs 32 has been deposited with the Principal of the Bengal Engineering College.

Candidates must state definitely whether they wish to join the Civil or Mechanical, or Electrical classes and indicate clearly their order of preference in regard to these three courses.

Every applicant must before admission present himself before the Medical Officer resident at the College for examination as to his eyesight, physical strength, and fitness for manual labour.

The College will have two vacations (1) the summer vacation in May and June, and (2) the Puja vacation in October. No student may remain at the College during these periods except when specially permitted by the Principal.

All students must be resident, students are charged a consolidated barrack charge of Rs. 6-1 monthly to cover house-rent, hire of furniture, municipal rates and taxes and electric light. This charge is ordinarily payable during eight months of the session.

Messes are maintained for Hindus, Moslems and Anglo-Indians. The mess charges are as follows—Anglo-Indian mess—Entrance fee Rs 5 charged on first joining the mess, and a like fee on rejoining after every vacation, monthly cost of messing about Rs. 35 ordinarily payable for 9½ months of the session. Hindu mess—Entrance fee (recurring yearly as above) Rs 5, monthly cost of messing about Rs 18-4, ordinarily payable for 9½ months of the session. Moslem mess—Entrance fee, payable annually Rs 5. Monthly cost of messing about Rs 12-8 per month, payable for 9½ months ordinarily for each year.

Admission fee, Rs 10; caution money deposit, Rs 50, both payable on first admission.

Tuition-fees, payable in eight equal monthly instalments from November to June, vary according to class and course.

DEGREE COURSE—The courses of instruction include four years' instruction in the College. University students passing this examination are eligible to be admitted to one of the B E Degrees. To be awarded the College certificate in Civil Engineering, Mechanical Engineering, Electrical Engineering it is necessary for the student to complete one/two years of practical training to the satisfaction of the Principal after graduation.

Prepare ghee, butter, casein, condensed milk, etc. at home. Milk & Milk Products explains the way. Industry Book Dept., Calcutta. Re. 1/8.

No candidate over 21 years of age can be admitted except under special circumstances (B Sc students if they are slightly over-age, may be considered).

Diploma Course.—This course has been discontinued until further notice.

Apprentice Course—The Course is for five years Boys under 16 are not admitted Previous school training although an advantage is not compulsory. A boy coming is admitted for training in one "trade" only.

The students of this Course have to make their own arrangement for board and lodging The working hours are from 8 A.M., to 11-30 A.M., and again from 12-30 P.M. to 4-30 P.M. during all seasons.

Department of Mining and Metallurgy, Benares.

The University offers a four-year course leading to the degree of B. Sc in Mining and a four-year course leading to the degree of B Sc in Metallurgy to students who have passed the Intermediate Examination, with Physics and Chemistry, of an Indian University or Board of Intermediate Education established by an Act of the Legislature Candidates who have passed the Intermediate Examination without Mathematics, will, if admitted, be required to undergo a preparatory course in the subject after admission and to pass a Departmental Examination in the subject in November

The tuition fees for the First and Second year courses are Rs 15 per month, and those for the Third and Fourth year courses Rs 18 per month, payable for only ten months in the year.

Hostel accommodation is generally available at Rs 3 per month

Messing expenses ordinarily amount to Rs 20 to Rs. 30 per month

Five per cent of the students are granted full-freeships and another five per cent half-freeships

Applications for admission to the courses should reach by the 20th June, along with a fee of Rs 2 and a character certificate from the Principal of the College where the student last read Later applications may be considered if accompanied with a fee of Rs 5

The courses begin on the 8th July

The Department is working in close association with the Engineering College of the University, where training in Mechanical and Electrical Engineering subjects is given to the Mining and Metallurgy students during their First, Second, Third and Fourth year courses

The B Sc degree in Mining of the Benares Hindu University has been recognised by the Government of India for the purposes of Regulations 34, 35 and 39 of the Indian Coal Mines Regulations, 1926 In virtue of this recognition Mining Graduates of the University are entitled to two years' exemption from practical underground training required of candidates appearing at the Govt First Class Colliery Managership Examination, one year's exemption at the Second Class Managership Examination, and two years' exemption at the Sirdarship Examination.

BENGAL ENGINEERING COLLEGE, SIBPUR, HOWRAH.

Regular students reading for a degree in Engineering should have passed the I Sc or I A. in Mathematics or Chemistry, preference being given to candidates who have qualified both in Physics and Chemistry.

Regular students reading for the Diploma or Association Certificates in Mechanical and Electrical Engineering or for the College Certificate in Engineering should have the above qualifications or have

Prepare ghee, butter, casein, condensed milk, etc. at home. Milk & Milk Products explains the way. Industry Book Dept, Calcutta. Re. 1/8.

**BENGAL SURVEY SCHOOL,
P. O. Survey School, Dt. Tippera.**

Applications for admission to the First-year Class accompanied by a Registration fee of Rs 3/- are received up to 30th June

BIHAR COLLEGE OF ENGINEERING, BANKIPORE, PATNA.

Civil engineering course extends over four years and is followed by a year of practical training. The minimum qualification for admission is a pass at I Sc. examination. No age-limits have been prescribed for the present.

Fees —Admission Fee Rs. 8 Tuition Fee Rs 8 monthly, Hostel Fee Rs 4 monthly, Students' Club Subscription, Rs 5

The cost of books, etc amounts to Rs. 100 approximately.

Civil Engineering Subordinate Department—The educational qualifications for admission are a pass at the matriculation or school final examination or any examination accepted as their equivalent. Candidates must be under 20 years.

The course extends over three years and is followed by a year of practical training. Tuition fees (per mensem) Rs 3 for Domiciled Candidates and Rs. 5 for Non-domiciled Candidates.

The approximate cost of books, etc, amounts to about Rs 80

Industrial Diploma Department—The qualification for admission is middle vernacular, the course extends over 5 years and the medium of instruction is Hindustani. Age limits are 15 to 19. No tuition fees. Small stipends to 16 Beharees who do best in Extra Examination.

**CALCUTTA ENGINEERING COLLEGE,
18, Ekdalla Road, Ballygunge, Calcutta.**

Offers training in —1 Mechanical & Electrical Engineering, 2. Civil Engineering (including Overseer Course), 3 Industrial Science Course, 4. Automobile and Electrical Engineering, 5 Electrician Course; 6. Vocational Training Course.

Training is given mostly on Practical and modern lines. The College is fitted with most up to date instruments, machineries, laboratories of all kinds and boys are taught to do every thing with their own hands.

Matrics and Non-Matrics are admitted in all courses. In cases where boys cannot follow lectures in English, they are taught wholly in Bengali. There is a hostel attached to the College. Session begins from August.

CIVIL ENGINEERING INSTITUTE, LUDHIANA, PUNJAB.

Civil Engineering Class.—F. Sc's & F. A's can be admitted to this class. Admission fee Rs 50, to be remitted with admission form. First instalment on joining Rs 200. Three instalments of Rs. 250, each quarter. Course about two years.

Subordinate Engineering Class.—Education up to Matric. Admission fee Rs 50, to be remitted with admission form. Rs 250 at the time of joining. Course about 15 months.

Special Overseer Class.—Rs. 400 in advance. Course about 10 Months.

Lower Subordinate Class.—Education up to Middle Standard. Admission fee Rs 50, to be remitted with admission form. Tuition fee of Rs 100 to be paid in advance on joining. Course about 15 months. Special Suboverseer class Rs 200 in advance. Course about 10 months.

Surveyor & Draughtsman Classes—No special qualification. Admission fee Rs. 5, Rs. 70 on joining. Course about one year.

Full particulars about making and recharging batteries are available in Manufacture of Batteries. Industry Book Dept., Calcutta. Price Re. 1/8.

No candidate over 21 years of age on the 1st January of the year in which he seeks admission will be admitted as a regular student

For occasional students there is no age-limit.

Candidates over 19 will not generally be selected as regular students unless they have obtained the B Sc Degree with Mathematics, Physics and Chemistry, or Mathematics, Physics and Geology, or Mathematics, Chemistry and Geology and qualify for admission to the second-year class

Tuition Fees—Intermediate classes—Rs 160 per session in eight instalments of Rs 20 Graduate Classes Rs 200 per session in eight instalments of Rs. 25. Occasional students pay 50 per cent extra in each class

Associate Course—Students are also trained in the Mechanical and Electrical classes for the Diploma of the Board of Apprenticeship Training and for the Associateship of the Board in Mechanical Engineering.

To qualify for admission to workshop apprenticeship students should pass the Apprenticeship Admission Examination which is conducted twice yearly in January and May by the Secretary to the Board of Apprenticeship Training (address—Calcutta Technical School, 110, Surendra Nath Banerji Road, Calcutta).

After passing this examination the student should apply for apprenticeship to one or other of the recognised workshops

A limited number of students who have passed the I Sc or equivalent examination, and are not above 20 years of age on the 1st January of the year of admission, will be admitted direct to the first year of the classes The session commences on the first Monday in November.

The full College course covers at present about six years (four at the College followed by two on practical training or three years at the College and three on practical training)

Students on obtaining the full course certificate should be qualified for employment as Junior Engineers or Assistants in Mechanical or Electrical Engineering firms or workshops

Tuition-fees are payable in eight equal monthly instalments No instalments are payable during the vacation and the month in which the final examinations are held For Regular and Special students the fee is Rs 100 and for Occasional students Rs 200 per session

BENGAL SURVEY SCHOOL, MAINAMATI HILLS.

Full course two years First year course corresponding to the Amin standard, begins from the 1st August Second year or the Survey Final Course, begins not later than 1st November

Applications for admission to the first year course and second year course must be made on or before the 30th June

The qualifications for admission to the first year course are—Knowledge of elementary arithmetic and simple English and some vernacular. The qualifications for admission to the second year final course are—An Amin certificate granted by the Survey Education Advisory Board, a Matriculation-pass

Age limit for the candidates for first and second year course is below 21 and 22 respectively

Fees—First year students Rs. 3, 2nd year students Rs 4, Special students Rs 5

Survey second year final passed students are eligible for appointments as District Kanungos

Full particulars about making and recharging batteries are available in Manufacture of Batteries. Industry Book Dept., Calcutta. Price Re 1/8.

should not be more than 22 years. Each student must pay in advance a half yearly fee of Rs 150 or if his qualifying examination has been passed at any other University than Bombay or he is a native of an Indian state Rs 200. Approximate expenses including fees, books, etc., will be above Rs. 800 during the eight months of residence in the College each year.

Workshop Diploma classes—Civil and combined Mechanical and Electrical Engineering courses which extend over a period of three years for the former and 4 years for the latter.

The Workshops consist of all the Departments of a Mechanical and Elec Works i.e. Machine tool room, carpenter's section, fitter's section, blacksmith's shop, tinsmith's shop, foundry, engine and boiler rooms. Both oil and steam power plants are installed.

Fees Rs. 50 (or Rs 75 for students from outside the Bombay Presidency) for the first half year of the course. The cost of books etc., for the 2nd and 3rd years of the course will be about Rs 40 per annum.

**COLLEGE OF ENGINEERING & TECHNOLOGY,
Jadavpur, Jadavpur College P.O., 24-Fargu.**

Following are the courses offered by the College.—Mechanical Engineering Course—Five years' course leading to diploma in Mechanical Engineering, Electrical Engineering Course—Five years' course leading to diploma in Electrical Engineering, Chemical Engineering Course—5 years' course leading to diploma in Chemical Engineering, Junior Technical Course—3 years' course Survey & Draftsmanship Course—2 years' course, Agricultural Course—2 years' course

Students who have passed the Matriculation Examination of the Calcutta University or other Examinations of similar standard are eligible for admission in the First-year class of the Mechanical, Electrical and Chemical Engineering Courses

I Sc passed students with combination—Physics, Chemistry and Mathematics are eligible for admission in the 2nd year class.

Students who have passed the B Sc Examination (with Physics, Chemistry and Mathematics) are admitted into the Third year class in the Chemical Engineering Department, but by the end of the academic year such students will have to finish the class work in drawing prescribed for the First and Second year classes and must pass the Examinations in Drawing prescribed for the First Engineering Examination. Or, they may be admitted to the Second year class of the Mechanical and Electrical Engineering Department but they will have to pass the First Engineering Examination in the following papers — Chemistry of Engineering Materials, Engineering Mechanics, Drawing and Mechanical Drawing and they will have to satisfactorily finish the workshop practice prescribed for the First and Second year classes before getting promotion to the Third year class.

Non-Matrices are admitted in the Junior Technical and Survey and Draftsmanship Courses

Junior Technical Course—Students who have read up to the Matriculation standard of the Calcutta University, or Final School Standard of the National Council of Education, Bengal, or students possessing similar qualifications are eligible for admission in this course. The course is intended for turning out skilled operatives and Assistants to Foreman, Engine-Drivers, Fitters (Mechanical and Electrical) and Mechanical Draftsmen

Survey and Draftsmanship Course comprises of Drawing, Surveying, Chain Surveying; Chaining, Field Book, Preparations of Plans and Sections, Copying Plans; Computing Areas Survey with Angular Instruments, simple & compound levelling

Principles of construction of storage batteries and their care are dealt in Manufacture of Batteries, Industry Book Dept., Calcutta. Rs. 1/8.

COLLEGE OF ENGINEERING, BANGALORE.

The College trains students for the B. E Degree Examination of the Mysore University and provides instruction in Civil, Mechanical and Electrical Engineering subjects. Students who seek admission into the College should not ordinarily be under 17 or above 22 years of age on the 1st June immediately preceding the date of admission into the College. Candidates for admission must be preferably Mysoreans by birth or domicile and must have passed the Intermediate Examination (with Mathematics, Physics and Chemistry as Optionals) of this or any other University and in the case of non-Mysoreans admission being restricted to those whose qualifications are recognised by the University Council.

Applications for admission should reach the Principal, complete in all respects, not later than 15th June nor earlier than the 15th May preceding. Applicants will have to remit an admission fee of Rs 10 with their application. This fee will be refunded if they are not selected for admission. The number of seats available at present is fifty and selection will be made from amongst the applicants. Selected candidates should appear before the Principal on a date to be fixed by him not later than the 27th June.

The tuition fee is Rs 150 per year for Mysoreans and Rs 250 per year for non-Mysoreans and is payable in four equal instalments, in June, September, November and January. Sports, Union, Admission and other fees amounting to Rs 21 per annum are payable on admission. Each student on admission is required to deposit Rs. 10 against loss or damage to tools, apparatus and library books.

The course extends over four years followed by a year's practical training. The College course commences on the 21st of June and ends on the 31st March following.

Each student must provide himself with the necessary set of drawing instruments and text-books, prescribed. The cost of these for the whole course will be about Rs 350.

A hostel is attached to the College which provides boarding and lodging for about 30 students and the expenses amount to about Rs 21 per student per month.

COLLEGE OF ENGINEERING, GUINDY, MADRAS.

Courses of study — B E degree in Civil Engineering, Mechanical Engineering and Electrical Engineering. Candidates must have passed I Sc Examination in the group of Mathematics, Physics and Chemistry. Applications for admission must reach the Principal on or before 20th May. There is also a diploma course for upper subordinate and Lower subordinate. Candidates must have passed S S L C or Matriculation Examination.

Fees Engineer's Rs 180/- per year, Upper Sub Rs. 81/- per year, Lower Sub Rs 40/- per year. Books and Instruments for whole course Rs 100/- to Rs 120/-, Camps and tours Rs 75/-, Room rent etc, per year Rs 25/- per month, Boarding charges Rs 20/- per month.

COLLEGE OF ENGINEERING, POONA.

Candidates for the degree of Bachelor of Engineering must have passed (1) I Sc in the group of Mathematics, Physics & Chemistry (2) B Sc in Physics and Mathematics or Physics and Chemistry only or (3) Inter Arts with Mathematics as optional subject and the BA Examination with Physics and Chemistry as the optional subjects of the Bombay University or of a University recognised by the University of Bombay. Applications must be made before 15th May. The students

Principles of construction of storage batteries and their care are dealt in Manufacture of Batteries, Industry Book Dept., Calcutta. Re. 1/8.

Candidates seeking admission are to be not under 18 or above 22 years of age, and must have passed the Intermediate Examination of the Osmania University or of a recognized University, with mathematics, physics and chemistry as their optional subjects.

The tuition fee payable in advance by students while at the College is.—Sessional rate Rs 100/-; Instalment rate (9) Rs 12/-.

The Subordinate Classes of the College afford theoretical and practical instruction in subjects qualifying for the subordinate service of the Public Works Department, Local Boards, Municipalities and Railways.

Only candidates who have passed the matriculation examination of the Osmania University or H S L C Examination or its equivalent are eligible for admission.

Candidates must not be above 21 years. Tuition fee for the session is Rs 46/- The course extends over 2 years.

The medium of instruction is Urdu.

GOVERNMENT ENGINEERING SCHOOL, Kamptee Road, Nagpur.

This institution trains students for examinations for diplomas in Civil, Mechanical and Automobile Engineering of Nagpur University.

Candidates for admission to any of the above courses must be between the ages of 16 and 21 years on the first day of—admission. In exceptional circumstances, the Principal may admit candidates who are over 21 and under 30 years of age, they, however, are not eligible for scholarships or guaranteed appointments. The candidates must have passed the High School Certificate Examination of the Board of High School Education, Central Provinces and Berar or an examination recognised in accordance with the provision of section 33 of the Nagpur University Act as equivalent thereto.

The duration of the courses is 3 years. The tuition and hostel fees are Rs 54/- and Rs 27/- per session respectively.

Qualified students from the School are eligible for appointments in the Subordinate Engineering Service of the C P. Public Works Department, and as Subordinate Engineers in the—Railways, Municipalities, District Boards, Engineering Workshops and Factories.

For further particulars about the School Staff, courses of study and syllabuses etc, reference may be made to the Nagpur University Prospectus and Calendar.

The tuition and hostel fees for the above courses are Rs 54/- and Rs. 27/- respectively per term.

The school has been affiliated to the Nagpur University from July 1936 for the diploma courses in Civil Engineering, Mechanical Engineering and Automobile Engineering. There will be no recruitment to the Sub-overseer course from July 1937. A school prospectus can be had at annas -/10/- in stamps.

GOVERNMENT SCHOOL OF ENGINEERING, PUNJAB, RASUL.

Courses for Overseers for S E S and Draftsmen commence during the 1st week of January annually. The duration of the course for Overseers is 2 years, that for Draftsmen, 2 years and 3 years.

Tuition fee —Rs 50/-, Hostel fees Rs 7/- per terms. All candidates for the above classes must have passed the Matriculation Examination of the Punjab University or its equivalent and be between 17 and 21 years of age.

There is a Special course in Reinforced Concrete Construction and Design for P W D Overseers and Draftsmen.

Classes are also held for Artizans and Bricklayers.

For full process of manufacture of phenyle, read **DISINFECTANTS & ANTISEPTICS**. Industry Book Dept, Calcutta. Price Re. 1/8.

For Engineering Courses the tuition fee for each complete session is Rs 120 and is payable in monthly instalments of Rs 10. For junior Technical Course the tuition fee is Rs 96 for each complete session and is payable in monthly instalments of Rs 8. For other courses the tuition fee is Rs 84 for each complete session and is payable in monthly instalments of Rs 7.

Every first year student must be prepared to provide himself with a set of Drawing instruments and other requisites which will cost approximately Rs 30 to Rs 40.

Session commences from July 1.

The two Hostels at Jadavpur are according to the present arrangement reserved for Hindu students of the College.

Each boarder shall have to pay the following scale of rent including charges for light and medical attendance, by the 10th of every month, Ground Floor Rs 66 per annum, First Floor Rs 78 per annum. The above will be paid in 10 equal monthly instalments beginning from the month of July in every session.

The College is equipped with a Power Plant which supplies power and light for the Workshops, Laboratories, College buildings, Hostels and the Staff Quarters. It is also used as a Laboratory for the instruction of students in the Generation and Distribution of Power. Besides there are well equipped Physical, Chemical, Mechanical Engineering, Electrical Engineering and Chemical Technology Laboratories. The various workshops (Machineshop, Pattern shop, Foundry, Smithy &c) are also well-equipped with modern machineries, instruments and apparatus for giving practical training to the students.

COLLEGE OF SURVEYING & DRAWING, BENGAL.

121/B, Bowbazar Street, Calcutta.

The following are the courses of study—Surveying, Draftsmanship, Estimating, and Practical Engineering. A student may take up any one or more of the first three subjects, but one who is desirous of qualifying himself as a practical engineer, should take up the fourth one. The complete period of course for each subject is three years. There are arrangements with First Class Engineering Firms in Calcutta for the practical training of students taking up Engineering Course. The session commences in July each year and lasts up to 30th June of the following year.

The qualification for admission is pass in the Matriculation or School Final Examination of an Indian University.

OSMANIA ENGINEERING COLLEGE,

Hyderabad, Deccan.

The College course, affording theoretical and practical instruction in Civil as well as Mechanical Engineering, extends over 4 years of which 3 years are spent in the College and the 4th year in practical training. University examinations are held at the end of the second and third years, known as Part I and Part II Examinations, the latter being the final test for the Degree.

The College year consists of—(a) a first term extending from about 20th June to 17th September, (b) A second term extending from about 21st September to 12th December, (c) a third term extending from about 3rd January to 17th April.

Minimum attendance required is 75% of the lectures in each subject.

Minimum percentage of marks for success in the examinations is 33% in each paper, 50% on the aggregate for a second class and 70% for the first class.

For full process of manufacture of phenyle, read **DISINFECTANTS & ANTISEPTICS**. Industry Book Dept, Calcutta Price Re 1/8

| | | |
|--|---|------|
| Monthly Charges — | | |
| Consolidates Hostel charges (at present) | — | 8 4 |
| Examination Fee for the Certificate at the end of the Third Year | — | 25 0 |
| Examination Fee for the Diploma at the end of the Fourth Year | — | 40 0 |

The session begins on the 1st of November each year and lasts until 31st July in the following year with short breaks at Christmas and at Easter. During the long vacation each student is required to obtain practical experience in a mine or (if taking the Geology Course) in the field.

Scholarships.

The Government of India and Provincial Governments award scholarships of values varying from Rs 25/- per month to Rs. 70/- per month. In most instances these are awarded on the results of the Entrance Examination.

Students who obtain the Certificate in Coal Mining or Diploma of Associateship in Mining Engineering obtain concessions in respect of the period of practical experience in a coal mine required from candidates for the Department of Mines Examinations. The period of practical experience required is reduced by one year in the case of candidates for the Second Class Mine Manager's Certificate and by two years in the case of candidates for the Sudar's Certificate and candidates for the First Class Mine Manager's Certificate. A similar reduction of 18 months is granted to students possessing the Certificate in Coal Mining or Metal Mining or the Diploma in Mining Engineering in respect of the Examination for the Certificate of Competency as Mine Surveyors.

The Diploma of Associateship in Mining Engineering entitles the holder to a similar exemption, viz of two years, in respect of the Examinations for First Class and Second Class Certificates of Competency under the British Coal Mines Act, 1911. Further, the School has been recognized by the University of London for the purpose of its B.Sc Degree in Engineering (Mining).

MACLAGAN ENGINEERING COLLEGE, LAHORE.

Mechanical or Electrical Engineering — 30 vacancies each year. Candidates selected on the result of an open competitive examination and a test of physical fitness. The examination fee of Rs 20 must accompany the application form. Candidates must be not less than 17 and not more than 21 years of age on the 1st October. Fees Rs 7 per mensem for hostel and Rs 180 per session for tuition payable in 9 instalments.

Training Course for Mechanics — 40 vacancies each year, 15 of which are reserved for nominees of the North-Western Railway. External candidates will be selected on the result of open competition in the entrance examination.

There are also courses for training of mechanical and electrical artisans.

NADIRSHAW EDULJI DINSHAW CIVIL ENGINEERING COLLEGE, KARACHI.

The College is affiliated to the Bombay University for the degree courses in Civil, Mechanical & Electrical Engineering. The courses extend over three years, and every student has to pass (1) Inter Science in Group A (Mathematics, Physics & Chemistry) or (2) Inter Arts with Mathematics as optional subject and the B.A. Examination with Physics & Chemistry as the optional group of the University of Bombay or of any other University recognised by the Bombay University.

HEALTH GUIDE WILL GIVE YOU IDEAS THAT KEEP YOU FIT.
INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA. Price As. 4.

There is a limited hostel accommodation. Students are however not allowed to put up outside without guardians' permission. Hostel fee with Electric light Rs 2-8 P M.

The average cost of training for an engineering student approximates to Rs 20, and for an Electrician student Rs 15 including the boarding, lodging, tuition and other fees etc. Engineering students shall have to pay tuition fees for 24 months for Grade I and II and the Electrician for 12 months.

PUNJAB ENGINEERING INSTITUTE, JULLUNDER CITY.

There are four courses. (1) Electrical Engineering Course which prepares students for the examination of the City Guilds Institute of London, the examination being held under the supervision of the Director of Industries, Punjab Government. Candidates who are F.A. or F.Sc. or First division matriculates get preference in admission. But those possessing inferior academical qualifications are admitted after a test in English and Mathematics by the Institute. The diploma of Electrical Engineer is awarded after two years of training for the City and Guilds of London Institute. Admission Fee Rs 20. Tuition fees—First year Rs 8 p m and Second year Rs 10 p m. Admissions in June.

(2) Electrical Overseer's Course—Matriculation Certificate from any Indian University and a character certificate are necessary for admission to this course. Candidates are admitted at the end of every month. Period of training one year. Admission fee—Rs 20, monthly tuition fee—Rs 8.

(3) Electrician Course—Candidates with the minimum qualification of anglo-vernacular middle pass are admitted at the end of every month. Period of training one year. Admission fee Rs 15, tuition fee Rs 6 per month.

(4) Electrical Mistri Course—Candidates having certificates of passing primary school examinations are admitted. Admission at the end of every month. Period of training one year. Admission fee Rs 10. Tuition fee Rs 4 per month.

ROYAL INSTITUTION OF ENGINEERING TECHNOLOGY, DELHI.

Electrical Mistri Course—Candidates over 15 years of age will be admitted to this course without regard to educational qualifications. Syllabus—Simple Connections, House Wiring, Fan Repairing, Battery Charging, Electric Machinery. The fee for the Mistri's Course is Rs 60. The period of instruction is three months. Rent—Boarding Seat Rent Rs 16 for the term.

Electrician Course—Candidates knowing English and arithmetic and over 15 years of age are admitted. D C Machinery, Primary Batteries, Secondary Batteries. The fee for the Course is Rs 100. The period of study is six months. Boarding Seat Rent is Rs 30 for the term.

Electrical Engineer Course—Students who have passed the Matriculation or other equivalent examinations or are strong in English and Mathematics are admitted. The students are prepared for the City and Guilds of London Institute Electrical Engineering Examination, Grade I. The fee is Rs 150. The period of instruction is nine months. Boarding Seat Rent is Rs 40 for the term. Guilds' Examination fee is Rs 6 per paper. Other Courses are Signaller Course Rs 50, Station Master Course Rs 75, Telegraphist course Rs 80, written course Rs 100. There are also commercial courses.

THOSE AFTER NEW BUSINESS WILL GET NOVEL BUSINESS TIPS FROM START A BUSINESS. Industry Book Dept., Calcutta. Price 4 as.

Tuition fees Rs 125 per term for Sindhi students and Rs. 150 per term for non-Sindhi students. At present, the College has no Hostel of its own, but there is a private Hostel in the vicinity of the College, where some of the students are accommodated.

The College also runs a three-year Diploma Course in Civil, and Mechanical & Electrical Engineering, the minimum qualification for admission being the Matriculation standard. Tuition Fees Rs 60 per term.

A Class to train a few students in Wireless Operator's Course is attached to the College. Lectures are held in mornings and evenings. The qualification for admission is the same as the Diploma Course. The duration of the course is 1½ year and the fees charged are—Admission Fee Rs. 25 and Tuition Fee Rs. 150.

The College is a centre for the City and Guilds of London Institute examinations.

ORISSA SCHOOL OF ENGINEERING, CUTTACK.

The courses of instruction consist of two branches. (1) Civil Engineering and (2) Mechanical and Electrical.

(1) The Minimum qualification for the Civil Engineering Subordinate classes is a pass at the Matriculation Examination and the course consists of three years' duration at school and one year outside. The school fee Rs 3 per month.

(2) The Mechanical and Electrical section provides training in the workshops with the necessary theory. The minimum qualification for admission is the Vernacular Middle Examination. The course of instruction, which is free, extends over 5 years. All students get stipends ranging from Rs. 5 per month in the first year to Rs. 20 per month in the final year. The course is divided into three classes, viz.,

(1) Diploma Course for those who undergo the full 5 years' course in theory and pass the craftsmanship test. (2) the Chargehand course for those who complete the theory portion of the first three years and pass the craftsmanship test at the end of 5 years and (3) Journeyman course for those who complete the full 5 years' course in the workshop only and pass the craftsmanship test at the end of 5 years.

PROVINCIAL INSTITUTE OF ENGINEERING,

Hoshiarpur, Punjab.

There are two Courses of Instructions—Electrical Engineering Course and Electrician Course.

Electrical Engineering Course—Syllabus as prescribed by the Directors of the City and Guilds of London Institute is completed in two academic years. Candidates who have passed the matriculation examination or have a general educational standard at par with matriculation are admitted. Admission fee Rs. 20, at the time of admission only. Tuition fee, etc., Rs. 8-8 per mensem.

Adequate training in Electrical Wiring, Armature winding, Battery Charging, Repair of Machines Operation, Maintenance and testing of Electrical Machinery is given in the Power House and Workshop of the Institute.

Electrician Course—This course is intended to train up candidates who will be able to fill up vacancies of Switch Board Attendants, Line Inspectors, Foreman, and Electrician in Electric Supply Companies and Hydro Electric Schemes. The training extends over one academic year. Admission Fee Rs 15 on admission only. Tuition fee etc Rs 65. The minimum qualification for admission is 8th standard.

THOSE AFTER NEW BUSINESS WILL GET NOVEL BUSINESS TIPS FROM START A BUSINESS. Industry Book Dept., Calcutta. Price 4 as.

There are four categories of students according to which candidates are classified—(1) Private students, (2) Government probationary students, stipendiary or nonstipendiary, (3) Students deputed by Indian States, British Colonies, etc., (4) Students already in Government service.

Candidates must not be less than 18 or more than 25 years of age on the 1st April of the year when they all join the College.

All applications must be accompanied by the following certificates.—A certificate of age, a health certificate in the form prescribed by Article 49 of the Civil Service Regulations, 5th edition, signed by a Civil Surgeon or such other qualified medical officer as may be approved by the President, A certificate of respectability and good moral character from two or more persons whose social or official position can be accepted as a guarantee of reliability.

Every candidate will be required to pass a qualifying examination in the following subjects—(1) Dictation of a page of ordinary English prose, (2) An essay to be written in English on one of several simple subjects; (3) Mathematics (Arithmetic, Geometry and Algebra). The standard of this paper will be that of Matriculation.

Twenty per cent of the marks allotted for Dictation will be given for handwriting. Every candidate must obtain fifty per cent of the number of marks allotted to each of the above subjects.

This examination will be held simultaneously at Dehra Dun, and at Calcutta, Gauhati, Lucknow, Srinagar (Kashmir), Abbottabad, Lahore, Ranchi and Nagpur.

All candidates not already in the service of Government who have been accepted by the President for admission to the College will be required to undergo before joining the College, a course of practical training in the forests lasting at least 3 months. This need not be in the Province or State of domicile. Such candidates will not be allowed to join the College unless they can produce a certificate signed by the Divisional Forest Officer under whom they have served, and countersigned by the Conservator of the Circle, or in the case of Indian States by the Durbar, that they have undergone the course of practical training in a satisfactory manner and are likely to become useful Forest Officers.

The training fees are fixed at Rs 1,500 per annum. This sum is payable in advance in two instalments due on April 1st and October 1st of each year by the deputing authority in the case of students in categories (2) to (4) and by the parents or guardians in the case of students in category (1). This will cover cost of tuition, also of lodging, light and water and other services at headquarters for the two years.

The Durbars of Indian States deputing students to Dehra Dun shall, prior to the admission of their nominees into the College, deposit with the President—for each student.

Rs 1,200 to meet ordinary expenses of living, Rs. 200 to cover actual expenses of travelling when on tour. Total Rs 1,400. These sums are intended to meet expenses of the whole two years' course and are in addition to the fees prescribed in rule 26. If the actual travelling expenses exceed the amounts given above, such further sum shall be deposited with the President as he may demand.

MADRAS FOREST COLLEGE, COIMBATORE.

The College trains students for the Forest Ranger Cadre in Madras and Bombay Presidencies, Central India States, Ceylon and Indian States of S I including Hyderabad. Candidates must not be less than 18 or more than 25 years of age. Tuition fees payable are Rs 1,000.

LOTS OF USEFUL FORMULAE FOR HOME APPLICATION ARE INCLUDED IN DOMESTIC RECIPES. As. & Industry Book Dept.

**SCHOOL OF CIVIL ENGINEERING,
Andar St., Teppakulam Post, Trichinopoly.**

The School provides training in Civil Engineering to fit up persons for Subordinate Engineering Services as Draftsmen, surveyors, Inspectors, etc.

Admission shall be open to holders of completed S. S. I. C. or any equivalent or higher studies, in January and July.

The Course extends over two years. The tuition fee may be paid either in one sum of rupees one hundred or in twenty instalments of rupees five and annas eight each.

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

Civil Engineer Class—Course 3 years. Candidates must not be under 17 or above 21 years of age. Session commences on 16th October. Application to be made not later than the 15th April. An entrance examination (fee Rs. 20) is held in the first week of June. The minimum qualification is a pass in the Intermediate Examination or Cambridge School Certificate "with credit" in additional Mathematics, a pass in either Chemistry or Physics.

Tuition fee Rs. 24 p.m. Hostel Rent Rs. 5-12 per mensem, Books cost Rs. 385, Final Examination Fee Rs. 40.

Sixteen scholarships of Rs. 50 per mensem are sanctioned for this class. Of these 6 will be awarded to first year students, five to second year students and five to third year students. Only United Provinces students are eligible for these scholarships.

Common Mess is maintained. Messing Charges, Vegetarians Rs. 33 and Non-Vegetarians Rs. 40, per mensem. These charges are included in the monthly expenses.

Overseer Class—Course 2 years. Candidates must not be under 16 or above 21 years of age. Session commences on 16th October. Application to be made not later than 15th April. An entrance examination (fee Rs. 10) is held in the first week of June. The minimum qualification is High School Examination or its equivalent.

Tuition fee Rs. 6 p.m. Hostel Rent Rs. 1 p.m.

Sixteen scholarships of Rs. 25 per mensem are sanctioned for this class. Of these 8 will be awarded to the 1st year students and 8 to the second year students. Only United Provinces students are eligible for these scholarships.

Draftsman Class—Course 3 years. Session commences on 16th October. Applications to be made not later than 15th April. An entrance examination is held in the 1st week of June. The minimum qualification is a pass in School Promotion Examination in Class VIII of an Anglo Vernacular School.

No fee and no rent. Instruments will be supplied free.

There are 12 scholarships of Rs. 4 per mensem for this class.

For circulars of all classes apply to the Principal enclosing 9 ples for postage.

SUPPLEMENTARY LIST.

Govt. School of Engineering, Fort City, Mysore.

FOREST COLLEGES.

FOREST COLLEGE, DEHRA DUN.

The Ranger Course is designed primarily with the object of training men to fill the posts of Rangers and Deputy Rangers in the Subordinate Forest Service, and in Indian States, British Colonies, Foreign countries and private employment.

LOTS OF USEFUL FORMULAE FOR HOME APPLICATION ARE INCLUDED IN DOMESTIC RECIPES. As. 4. Industry Book Dept.

Examination of the School or the Board of Apprenticeship Training Admission Examination They must be bonafide apprentices of recognised workshops Candidates must not be under 16 years

Session begins in July Tuition fees Rs 8 per month

2 Plumbing and Sanitary Engineering Course. Qualifications same as above

3. Electrical Supervisors' Course of 1 year. Session commences in the 1st week of March Tuition fees Rs 5 per month

Other short courses are: Shoe and leather goods manufacture, foundry work, cutlery manufacture

CENTRAL POLY-TECHNIC INSTITUTE, LASHKAR, GWALIOR.

The Institute provides the following courses of instruction Mechanical Engineering (3 years), Fitting (2 years), Carpentry (3 years), Weaving Technology (3 years), Weaving Manual (2 years), Dyeing and Printing (2 years) A fourth year advanced course, intended for students passing the certificate examination of the Mechanical Engineering Course and Weaving Technology Course is also provided. Successful students can appear for the respective and equivalent examinations of the City and Guilds, London

The minimum qualification for admission for these courses is that the applicant shall have passed the High School Examination or any other equivalent examination recognised by the Inspector-general of Education For other courses the minimum qualification for admission is that the candidate must have passed the Gwalior State Middle Examination Application for admission to be made before 30th June.

Outside students shall pay a yearly fee of Rs 36 in the first year, Rs 48 in the second year and Rs 60 in the third year of any course

CHRISTIAN HIGH AND TECHNICAL SCHOOL, BALASORE, ORISSA.

The syllabus provided by the Education Department and the Patna University is followed with the exception that extra time is given to Manual Arts Students spend half time in shop practice and half time in related studies Commercial Courses are provided on the half time basis the same as for Technical Diploma Three year courses in Carpentry and Blacksmithy are provided for those who are not prepared to take the full technical course

COLLEGE OF INDUSTRY AND TRADE,

144, Dharamtallah Street, Calcutta.

Teaches the following industries on co-operative basis —

- (1) Glass mfg (2) Rubber mfg (3) Enamel mfg (4) Match mfg.
- (5) Torch light Battery mfg (6) Storage Battery mfg (7) Electric Fan mfg (8) Electric Motor mfg (9) Electric Bulb mfg (10) Cosmetic mfg (11) Soap mfg (12) Tanning (13) Electroplating (14) Galvanizing (15) Bucket mfg. (16) Aluminium ware mfg (17) Dipped Rubber Goods mfg

Correspondence Courses in —(1) Electrical Engineering (Diploma from U. S. A.) (2) Cosmetic mfg (3) Soap mfg. (4) Torch light Battery mfg (5) Dipped Rubber Goods mfg

D. B. TECHNICAL SCHOOL, BURDWAN, (Established 1893).

(Aided and Affiliated under Industries Department, Govt. of Bengal).

The are 3 courses of studies —

(1) Sub-Overseer Department.—Generally Matriculates are admitted in July each year There is no restriction of age and monthly tuition fee is Rs 3, besides admission fee of Rs 3, Games fee Re 1-8 and caution money deposit Rs 5 on first admission Course extends over 1 year 9 months 30 candidates are admitted

Improve your kitchen garden from hints given in GARDENING BITS.

INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA, Price 4 as.

per annum for private students from Madras Presidency and Rs. 1,500 to annum for other private students. General expenses are estimated to amount to Rs 2,000 for the whole course. The course lasts for 23 months, beginning on the 1st August each year. Candidates must possess the Matriculation or School Final Exam Certificate with at least 40 p.c marks in English, Mathematics and Science. It is expected that the College will be closed from 1st July 1939 and no more candidates are being accepted.

INDUSTRIAL & TECHNICAL INSTITUTIONS.

BALASORE TECHNICAL SCHOOL, BALASORE.

The school provides 5 year technical courses and 3 year artisan courses in a number of trades including, Carpentry, Painting and Polishing, Blacksmithing, Iron Fitting, Machine Shop, Power plant operation, Electric wiring, Well drilling and Pump fitting, Motor car fitting and Driving. The commercial department provides full time courses with half time office practice as well as short unit part time courses in typewriting, shorthand and book-keeping.

The workshop is run as a factory and everything made is sold so that the shop work is intensely practical. Artisan students spend full time in the workshop and acquire the skill of a journeyman in their trade. Technical students spend half time in the shop and half time in class and get the elements of a general education and trade knowledge as well as manual skills.

The minimum requirements for admission to the technical classes are Middle English passed. There are no literary requirements for the artisan courses. Students must be over 15 years of age and obtain an "adult" certificate from the Civil Surgeon.

Tuition is free in the artisan courses, but a fee of Re 1 monthly is charged in technical classes. The admission fee is Rs 2/8 and a security deposit of Rs 2/8 is required at the time of admission. Game fees are Re 1/8 per year and are payable for six months in advance. Hostel charges are Rs 6/8 per month payable in advance.

The term begins in January, and new admissions in the technical classes must be completed by the 15th of January each year. Artisan students may be admitted at any time provided there is a vacancy.

BERAR VICTORIA MEMORIAL TECHNICAL INSTITUTE, Amraoti, BERAR

In the Institute there are two courses, namely Carpentry and Metal. In the Carpentry section instruction is given in joinery, cabinet making, wood turning, polishing, varnishing and Machine drawing. The Metal section comprises Forging, Fitting, Turning, Moulding and Mechanical Drawing. Both sections have three years course and scholarships are awarded to students learning in the two sections. Candidates who have studied up to VIII Vernacular Standard and who are below 19 years of age are admitted in the school. New session of the school begins from the 16th June every year. A hostel is attached to the Institute for boys of both sections. Messing charges come to Rs 5/- per boy per month approximately. No fees are charged for boys who receive education in the Institute.

CALCUTTA TECHNICAL SCHOOL, 110, Surendra Nath Banerjee Road, Calcutta.

The School offers the following courses of instruction —

1. Mechanical and Electrical Engineering Course is of five years' (10 terms) duration. Candidates must have passed either the Entrance

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month. Professional driving course 3 months. Fees Rs 25 for the full course. Special course of driving for 3 owners, 1 month, fees Rs. 20/-.

Artisan Course—Training imparted in carpentry and smithy.

FARDUNJI SORABJI PAREKH TECHNICAL INSTITUTE,

Soni Faha, Surat.

Three years' graduated courses in Mechanical and Automobile Engineering, and Carpentry and Furniture Making, and two years' graduated courses in Mechanical Apprentices and Motor-Mechanics, and one year's Electrical Wiremen's Course.

Fees of Rs 11 per term (1 year) for Mechanical Engineering, Automobile Engineering and Electrical Wiremen's Courses, and a fee of Rs 3 per term for the Mechanical Apprentice, Motor Mechanics and Carpentry Courses. Applications should be sent before the 5th June. Session commences from June.

Candidates for admission to Mechanical Engineering and Automobile Engineering Courses must be above 15. Gujarati students who have passed English VI Std. and non-Gujarati students who have studied up to English VII Std. are admitted. Those who possess less qualifications than above are admitted to any one of the remaining Courses.

Minimum cost of living at Surat is Rs 15 to Rs 18 per month.

GOVERNMENT CARPENTRY SCHOOL, ALLAHABAD.

The School is under the control of the Director of Industries U. P. Teaching is offered both in the Vernacular and in English. The school course is from 1st July to 19th May. Application for admission should reach the Principal not later than June 30th and, if necessary, an examination may precede admission.

The following classes are run —(1) General wood-working class (Course 3 years), (2) Advanced wood working class (Course, 3 years. Admission to this class being made only on completion of the General Wood Working course or a proved capacity to undertake advanced study), (3) Teachers' Training class (Course, 2 years, admission being restricted to men who have completed the General or Advanced Classes in the Allahabad or some kindred school, or who can demonstrate their ability to take up the subjects within the period prescribed for this course), (4) Polishing and Painting Class (Course 3 years) and (5) Upholstery class (Course, 3 years). Special Classes for Factory foremen and Managers may also be arranged.

All Tuition is free and substantial prizes are given on merit each year.

GOVERNMENT CARPENTRY AND SMITHERY SCHOOL, Quilon.

School has two sections (1) Carpentry, (2) Smithery. The course extends over 3 years. The School year begins on the first Monday after the 15th May. Candidates for admission to the school shall be holders of the Vernacular School Leaving Certificate. Instruction imparted are both theoretical and practical.

GOVERNMENT CENTRAL WOOD-WORKING INSTITUTE, Bareilly, U. P.

The Institute trains wood-workers in the use of improved hand and machine tools and provides facilities for the training of men in the allied trades of Timber seasoning, wood-finishing and upholstery. Instruction is provided in both machine and handwork.

Manures & their application a useful handbook for all amateur gardeners. Industry Book Dept., Shambazar, Calcutta. Price 4 as.

(2) Junior Technical Department.—Students with M E pass or of the 4th Class Standard of H. E. Schools are admitted in January each year. Those with age about 15 years and of good physique, are prepared for admission. Monthly tuition fee is Rs. 3 besides the Games and admission fees as above. The course extends over 4 years and 8 candidates are admitted annually. Besides English and Mathematics upto Matric Standard, Practical works in Smithy, Carpentry, Machine shop, Fitters'-shops including making of high class pad-locks and cutlery works and theory and practice of motor car mechanism and driving, are taught to all. Two or three stipends of Rs 8 p.m each are awarded in each class on merits.

(3) Improved Artisan Department —Students with knowledge of the class V standard of H. E. Schools are admitted in January each year. Boys above 12 years of age are admitted without any fees. Besides Mathematics and Literature, they are taught practical works in any one of the above shops. The course extends over 3 years. They are charged no tuition fees, on the other hand a few stipends @ Rs 8 p.m each are awarded on merits.

The average monthly expenses in Messes are Rs 10 nearly.

DAYANAND INDUSTRIAL SCHOOL, Langley Road, Lahore.

Courses of Study: Tailoring (2½ years), carpentry (3 years), book binding (1½ years) and cycle repairing (6 months). Candidates must have read up to Lower Middle standard, minimum age 14 years. Admission takes place twice a year, i.e., 1st to 15th April and October.

DIAMOND JUBILEE INDUSTRIAL SCHOOL, RAJSHAHI.

The following are the departments —Sub-overseer—2 years' course Class begins in July

School Final for Surveying and Manual Training

Amin—1 year's course from August

Artisan—Carpentry and Blacksmithy 3 years course. Also machine shop

No restriction of age to the Sub-overseer & Science course classes, but the students must have completed at least 16th year for the amin and 13th year for the artisan class

School fee will be charged from the Sub-overseer students at Rs 2-8 and Rs 3-8 per month, and from Amin students at Rs 2 and Rs 3 per month, for residents of Rajshahi District and other districts respectively.

ELLIOT BANAMALI TECHNICAL SCHOOL, PABNA.

The school consists of the following departments —Sub-overseer department, Surveyor department, Artisan or Industrial classes

Sub-Overseer class—Pass in the Matriculation Examination of the Calcutta University or of the Dacca Intermediate Board in English and Mathematics. Session commences from the 20th of July. The course extends over a period of one year nine months only, the first year class running from July to June and the second year class from July to March

The full course of study for the overseer students extends over a period of 4 years. The first two years are termed the Sub-overseer course and the last 2 the overseer course.

Survey Dept.—Candidates must have passed at least the M E Examination. One year's course begins from August.

Motor Mechanic Class—Both theoretical lessons and practical demonstrations. Full course including driving, 1 year, Fees Rs 2-8 per

Manures & their application a useful handbook for all amateur gardeners. Industry Book Dept., Shambazar, Calcutta. Price 4 as.

Mechanics class—Qualifications up to middle standard. The medium of instruction is vernacular, except for technical terms which will be in English. Subjects taught are Drawing (Freehand, Isometric and Elementary machine), Elementary workshop Theory, Pattern-making, Moulding and Casting, Forging, General Fitting, Polishing, Elementary lathe Work, Lockmaking, Engraving, Building and Furniture fittings and Electroplating, Sheet Metal work, Pressed Metal work, and Stove Enamelling.

Artisan class—No educational qualification necessary, except that candidates shall be literate, preference to be given to boys of artisan class. The course is thoroughly practical. There will be three sections; (a) Lockmaking and Engraving; (b) Sheet metal work and Pressed metal work, (c) Building and Furniture Fittings.

No tuition fee from students of the United Provinces. Games fee Rs. 3 per annum from all students. Age—Ordinarily not less than 14 years.

Limited hostel accommodation is available. A monthly rent of Rs. 1 is charged for lodging and furniture. The cost of board and lodging is approximately Rs. 10 per month.

Application for Admission should reach the Superintendent before the 1st. of July. Session commences from 1st July.

GOVERNMENT SCHOOL OF TECHNOLOGY, MADRAS

The following are the courses of study in the institution.—

| | Course | Duration. | Fees. |
|----|---|-----------|-------------------|
| 1 | Mechanical Engineering | — 5 Years | Rs 24/- per year. |
| 2 | Electrical Engineering | — 4 .. | .. 24/- .. |
| 3 | Printing — | | |
| | (a) Composing and Proof-reading | — 2 .. | .. 8/- .. |
| | (b) Machine Minding | — 2 .. | .. 8/- .. |
| | (c) Binding and Management for those who have completed courses (a) & (b) | 1 .. | .. 8/- .. |
| 4. | Practical Elec Wiring | — 2 .. | .. 8/- .. |
| 5 | Practical Plumbing | — 2 .. | .. 8/- .. |
| 6 | Mechanical Drawing Classes in | | |
| | (a) Metal Work | — 2 .. | .. 5/- .. |
| | (b) Wood Work | — 2 .. | .. 5/- .. |

Students will be admitted to only one course at a time. The minimum general educational qualification for admission to the course (1) to (3) is SSLC.

Diplomas of LME and LEE are awarded to successful candidates in Mechanical and Electrical Engineering respectively. Ordinary school certificates are awarded to the successful candidates in other subjects.

There is also a Preparatory Section for young boys with 1st form or 8th standard qualification and who are below 14 years of age.

The Perambur Branch School is attached to the Madras and Southern Mahratta Railway Workshops.

GOVERNMENT TECHNICAL SCHOOL, GORAKHPUR.

Mechanical and Electrical Engineering Class—Course is of three years, followed by two years' practical apprenticeship in recognised mills and factories. Management of steam engines, boilers, electric generators, oil engines, petrol motors and steam pumps, etc., are taught. School workshop comprises of carpentry, smithy, foundry and machine shops and is equipped with up-to-date machine-tools.

SAFETY MATCHES & their Manufacture explains every aspect of the industry. INDUSTRY BOOK DEPT., Calcutta. Price Rs. 2/8.

At present stipends are awarded in classes other than the first year with the exception of the Artisan class and prizes are awarded on the result of the year's work

Session commences on July 1. and ends on May 20 each year and application on the prescribed form must reach the Wood Technologist of the Institute not later than June 15 each year. Admissions are made on the result of an examination held on the opening of the session

The following courses of instruction are provided.—

Cabinet-making and Joinery (2 to 3 years' course), Wood-working Machinist's Course (3 years), Painting, Polishing and Wood-finishing (2 years), Upholstery (2 years), Kiln Seasoning Course (1 year)

Students to be eligible for admission to the Kiln Seasoning class must have passed the School Leaving Certificate or the Matriculation Examination and must have not less than three years' training in an Engineering School. The cost of messing charges average Rs 12 per mensem. Only a limited number of students are taken each year in each course

GOVERNMENT INDUSTRIAL SCHOOL, BELLARY.

The School provides instruction in cabinet-making and general mechanics course on the lines and in accordance with the syllabuses of the school at Calicut with such alterations as local conditions require. No tuition fee is charged and apprentices who make satisfactory progress are paid stipends as at Calicut

GOVERNMENT INDUSTRIAL SCHOOL, CALICUT.

The school was started in July 1929. It provides full time instructions in Mechanical Engineering and Cabinet Making. Students with S S L C or equivalent general educational qualifications are admitted to the former and those with lower qualifications to the latter. The courses are of five years' duration and the education is imparted free. Admissions are made in July and about 33 % of the number admitted every year are awarded scholarships

The syllabus is such to turn out Mechanics and Cabinet Makers, both theoretically and practically efficient, with a knowledge of costing and handling labour

GOVERNMENT INDUSTRIAL SCHOOL, MADURA.

The School provides apprenticeship in carpentry and cabinet making, general mechanic's work and metal work and a short special course of 12 months in oil engine driving and the care and management of running machinery.

An apprentice will be allowed to take one course only—wood-work or metal work. Wood working course comprises instruction in making good sound furniture, preparation and erection of wood work in buildings, lathe work, carving, painting and upholstery. Metal work course includes instruction in blacksmithy, moulding, pattern making, fitting and turning, motor car repair work and also management of running machinery. Course 5 years

Admissions are made on 1st July. Candidates must be over 15 but under 18 years. No fees will be charged for tuition. The hostel fees about Rs 15 monthly. Special short courses in oil-engine driving and the care, adjustment and economic running of industrial machinery are also conducted. Fees will be charged at Rs 12 per month. All apprentices must live in the hostel

GOVERNMENT METAL WORKING SCHOOL, ALIGARH, U.P.

There are two courses of instruction —(1) Mechanics class of three years' duration, (ii) Artisan class of two years' duration

SAFETY MATCHES & their Manufacture explains every aspect of the industry. **INDUSTRY BOOK DEPT, Calcutta.** Price Rs 2/8.

Hostel—A hostel is attached to the school and Re 1 per month as hostel fee (inclusive of medical fee) is charged. Admission fee of Rs. 1 is charged extra. The approximate cost of living in the hostel is Rs 15 per month.

Ex-provincial students are admitted only on special terms. Particulars may be had on application to the Principal. The school is also a centre for the City Guild Examination.

GOVERNMENT TECHNICAL SCHOOL, LAHORE.

There are two major Departments.—(a) Electro-Mechanical Department, and (b) Die Press Sheet Metal Works Department. In each of the Departments the full course is of 4 years' duration.

Electro-Mechanical Course.—The students will be given a general idea in the following so far as they are connected with the Course — 1 Technical Drawing, 2 Pattern Making, 3 Foundry work, 4 Turning and Smithy, 5 Fitting; 6 Electro-technology, 7 Theory of Machines; 8 Electrical Design, 9 Armature Winding, etc

II Die Press Sheet Metal Works—General idea will be given in— Technical Drawing, Die sinking by Hand, Die Press work, Pattern making, Foundry work, Clock work, Stove Varnishing, Electroplating, Sheetmetal work, etc

The session begins on the 1st of June each year. Casual students are admitted any time of the year.

Candidates for admission to the Electro-Mechanical department are selected on the results of an entrance examination which is held at the end of May or early in June each year at the Science Amphitheatre of the school. The minimum qualification for admission to the entrance examination is the pass of the Vernacular Final Examination, or the Anglo-Vernacular Industrial Final Examination, but preference will be given to those possessing higher qualifications.

In the Die Sinking department, there is no entrance examination. The minimum qualification for admission is the pass of the Vernacular Final Examination or Industrial Final Examination, though preference will be given to those with higher qualifications.

Subject to vacancies, casual students are admitted for short courses of training in any of the basic trades included in the two general departments, e.g. Smithy, Pattern making, Foundry work, Turning and Machining, Fitting work, Sheet Metal work, Stove varnishing, Armature winding and Electro testing, Die sinking and Die Press work.

Applications for admission must be made on the prescribed form on or before 15th May. Copies of discharge or leaving certificates from the school previously attended by the applicants or of the certificate or diploma of the examination previously passed by the applicant must accompany the application.

The tuition fees vary from Re 1/- to Rs 2/- per month. Extra Provincial students, i.e. subjects of Indian States or other non-Punjabies, are charged Rs. 65 per annum as fees and are not eligible for any concession.

GOVERNMENT TRADES SCHOOL, MANGALORE.

At present instruction is provided in the wood-working and engineering trades. The classes consist of a mechanics' course of five years' duration for the benefit of apprentices employed in general engineering in the local factories and workshops and a Wood-workers' Course of two years' duration. The syllabus followed is that adopted for the engineering classes of the Perambur branch of the Government School of Technology, Madras. For the Mechanics' course admission is ordinarily restricted to bona fide apprentices and workmen who are engaged in the trade.

For experimented formulas for damp proofing matches consult *Safety Matches and Their Manufacture*. Industry Book Dept., price Rs 2/8.

The minimum qualification for admission is class X standard of an Anglo-Vernacular School. A competitive examination is held annually in July. Candidates should be between 15 and 20 years of age.

Artisan class is intended for those who have passed the Upper Primary Examination of Vernacular Schools or the 4th class examination of Anglo-Vernacular School. Candidates for this class must be between 15 and 18 years of age. Fees for Mechanical and Electrical Engineering class Re 1 per mensem and Artisan class As 8 per annum. Non-U.P. men are required to pay Rs 360 per year as school fees.

GOVERNMENT TECHNICAL SCHOOL, JHANSI.

Age limit for admission is 16 to 19 years on the 1st January following the admission examination. Educational qualifications—High School examination pass or Junior Cambridge with mathematics. Admission examination is held in November each year. Selected candidates are apprenticed with the G. I. P. Railway workshops at Jhansi or Bombay.

Course of training—Railway Apprentice Class (9 months in the shops at Jhansi or Bombay and 3 months at the school for the first four years and the complete fifth year in the shops). Period of training five years. G. I. P. Railway pays wages according to the grade and the year of apprenticeship as under—

| | | | |
|--------|---------|----|----------------|
| Bombay | A Grade | Rs | 50-55-60-65-70 |
| Jhansi | " | " | 40-45-50-55-60 |
| Bombay | B Grade | " | 40-45-50-55-60 |
| Jhansi | " | " | 30-35-40-45-50 |

Admission examination is held simultaneously at Bombay and Jhansi. This school entertains applications from bonafide residents of U.P. and the G. I. P. Railway entertains the rest. Advertisements appear each year in or about the month of July asking for applications from prospective candidates.

GOVERNMENT TECHNICAL SCHOOL, LUCKNOW.

The school provides training in the following branches:—

(a) (i) Engineering Mechanics course; (ii) Electrical Mechanics course. The duration of course is 3 years followed by 2 years of practical apprenticeship in railways or other workshops. Admission to these classes will be opened only to those students who have passed the High School or an equivalent examination of the Senior Cambridge Examination with Mathematics and Physics as subjects in each case. A competitive examination (Grade A) for admission is held.

(b) Light Machine Mechanics course—Three years' training in the school. Candidates who have passed or appeared for the VIII class of High Schools are eligible for admission and will have to appear for entrance examination (Grade B).

(c) Painting class—Three years' training in school. Candidates should be literate in one of the Vernaculars for admission and will have to appear at an entrance examination (Grade C).

(d) Oil Engine driving class—Five months' training in school. Admission to this class will be made on the 1st July and 2nd January. Preference is given to candidates who are literate and have some workshop experience. No candidates can be admitted to this class who are less than 18 years of age.

Fees—Engineering Mechanics and Electrical Mechanics and Light Machine Mechanics—Re 1 per month. Oil Engine driving—Rs 15 for the whole session of five months. No fees are charged for Painting and Saturday Morning and Evening Classes.

For experimented formulas for damp proofing matches consult Safety Matches and Their Manufacture. Industry Book Dept., price Rs. 2/8.

period, on the completion of the course Rs 5, Laboratory & Wastage charges to be determined according to individual cases by Superintendents in charge—for each department, not exceeding Rs 5

Scholarships A limited number of free tuition and scholarships are available for deserving applicants. Concession in fees may be granted to apprentices from rural areas of the Birbhum district.

Free lodging with minimum furniture is provided for apprentices, and the Institute maintains a general mess run by the apprentices themselves. The food expenses vary from Rs 6 to Rs. 12 according to the convenience of the members enrolled.

All correspondences to be addressed to Sriniketan Sachiva

J. N. TATA HUNARSHALA (TECHNICAL INSTITUTE),
Navsari, Baroda State.

The Institute at Navsari (B B & C I. Rly.), has the following courses of instruction, (1) Mechanical Engineering, (2) Workshop apprentice course and (3) Cabinet making course. Each course takes three years. Mechanical Engineering classes admit students who have studied up to VII Standard. The term commences from June 15th. Students passing three years' annual examination are awarded high grade diploma certificates. The workshop of the Institute is well equipped with all sorts of machineries and different types of Engines. Fees for mechanical Engineering are Rs 41. The same for workshop apprentice course and Rs 4 for cabinet making.

A student's average monthly expenditure is ordinarily Rs 20 comprising boarding, lodging, fees, books and tools.

JAMSHEDPUR TECHNICAL INSTITUTE, JAMSHEDPUR.

The Tata Iron & Steel Company are prepared to consider applications for admission to the Jamshedpur Technical Institute, from Indians who wish to take up a career at the Company's Works at Jamshedpur and who possess any one of the following qualifications—

Class B A Degree or Diploma in Mechanical or Electrical Engineering or Metallurgy of a recognised Indian or Foreign University, Technical Institute or College

Class A (1) An Honours or First Class Degree or Diploma in Mechanical or Electrical Engineering or Metallurgy of a recognised Indian or Foreign University, Technical Institute or College, preferably accompanied by Works experience Abroad

Class A (2) An Honours or First Class Degree or Diploma in Mechanical or Electrical Engineering or Metallurgy of a recognised Indian or Foreign University, Technical Institute or College, accompanied by not less than 6 months continuous practical experience after graduation in an Iron and Steel Works Abroad.

The age of a candidate on December 31st 1937 must not exceed—(1) Graduates in Engineering or Metallurgy, Foreign Universities, 27 years, (2) Graduates in Engineering or Metallurgy Indian Universities, 24 years

Applicants must be of robust physique and be fit to perform hard manual labour. Candidates will be required to pass a medical examination by Company's Medical Board at Jamshedpur before being accepted for admission.

A combined theoretical and practical training of two years' duration is given at the Institute and in the Works of the Company. An apprentice who fails at any time to satisfy the Management in regard to

Pyrotechnic matches and Their Preparation are dealt in Safety Matches and Their Manufacture. Industry Book Dept., Calcutta. Price Rs. 2/8.

**HARCOURT BUTLER TECHNOLOGICAL INSTITUTE,
P.O. Nawabganj, Cawnpore, United Provinces.**

The aims and objects of the Harcourt Butler Technological Institute are (a) to be a centre of technological research with a view to promoting the industrial development of the United Provinces and of the country, and (b) to be a recruiting centre for technologists qualified to occupy positions on the supervisory staffs of selected industries.

There are two separate sections in the Institute—(1) General Research Section, and (2) Oil Section.

General Research Section—There is no regular teaching in this section but advanced research workers who possess a degree in science or agriculture are admitted for a period of two years, the number being limited to a maximum of two each year. These advanced research workers by actual work receive training in methods of industrial research being associated with and helped by the staff of the section.

Oil Section—There are three courses in this section. (1) A two years' diploma course for oil technologists to which ten students who possess the B Sc. degree in science or agriculture are admitted every year. (2) A two years' post diploma course to which two students who have obtained the diploma of the Institute, may be admitted each year. (3) Three short courses of six to eight months for those possessing the B Sc degree in science or agriculture in (i) oil milling, (ii) soap making, on (iii) the preparation of oils, paints and varnishes. Fifty per cent of the seats in courses (1) and (3) above are reserved for the nominees of the Imperial Council of Agricultural Research and the rest for the bona fide residents of the United Provinces.

No tuition fee is charged from U. P. students. Non-U.P. students are admitted only on payment of Rs 500 per annum for the regular courses, i.e. the major of two years' duration, and Rs 25 per month for the minor courses. Candidates nominated by the Imperial Council of Agricultural Research for the oil section are, however, exempted from paying any tuition fee.

The application for admission should be made in the attached form and should reach the Principal complete in every respect before June 10. A deposit of Rs 15 should be sent along with the application.

There is a hostel attached to the Institute. It provides accommodation for about seventy students. A fee of Rs 3 per month per student is charged. Students make their own messing arrangements.

**INSTITUTE OF RURAL RECONSTRUCTION,
Sriniketan, Surul P. O., Bolpur, Birbham.**

The Institution is well equipped for the training of apprentices in the following crafts—

Weaving, Durr, Carpet & Ashana-making, Dyeing & Printing, Batik Work, Embroidery; Lacquer work, Leather work, Book-binding, Goldsmithy & Enamelling, Carpentry, Metal Work and Cardboard Work.

A limited number of apprentices (both men and women) are taken in all the departments and instruction is mainly practical. The length of each course varying from one month to a year is determined by the respective superintendents and depends in each case on the age and previous training of the apprentice concerned. Admissions are made according to the seasonal convenience of the various departments and training is continued until the apprentice has acquired an earning capacity. Job work is provided to the trained students as far as possible.

Fees. Admission fee Rs 2. Tuition fee (for each subject) Rs 2, monthly. Caution Money to be refunded at the end of apprenticeship.

Pyrotechnic matches and Their Preparation are dealt in Safety Matches and Their Manufacture. Industry Book Dept., Calcutta. Price Rs. 2/8.

| Fees. | | Students from the | Students from other |
|-------------------|---|--------------------|---------------------------------------|
| | | Madras Presidency. | Provinces including Indian States. |
| | | Rs. | Rs. |
| One year's course | — | 100 | 150 |
| Short course | — | 75 | 125 |
| Advanced course | — | 50 | 50 |

Qualification S S L C., but in special cases applications from candidates with lower educational qualifications will be considered

**LAL SINGH MANSINGH INDUSTRIAL SCHOOL,
Mainpuri, U. P.**

Session begins from July and ends in May. Qualification for admission is Vernacular Final Standard. Courses consist of Carpentry, Tarakashi, Tailoring, Weaving, Cane work, Music (Vocal & Instrumental) and Blind class for teaching Music, Cane furniture making, Sewing, Ordinary Tailoring. Students make their own mess arrangements in a hostel attached to the School. Monthly expenses of a student are Rs 8 only.

MOBERLY TECHNICAL SCHOOL, HOOGHLY.

Artisan Class—There are arrangements for the following courses of study—Electrical wiring shop (2 years course), Carpentry (3 years course), Smithy (3 years course), Fitters shop (3 years course), Machine shop (3 years course), Motor Mechanics shop (2 years course). There will be no age limit for artisan boys.

Junior Technical Classes—Boys between 12 and 15 years of age will be admitted for those who intend to go for Board Apprenticeship Examination, otherwise no age limited. Boys in this department are trained to be Junior Mechanical and Electrical Engineer.

The total strength including the Electric wiring shop and Motor Mechanics shop will be about 30 Artisans and 40 Technical students.

Students who have read at least up to the fourth class or class VI of the High School or up to the First class of an M E School will be eligible for admission into Junior Technical Department, while those who are at least barely literate will be admitted to the Artisan classes.

The session commences from January.

A fee of Rs 8 per month will be payable by the Junior Technical Department students as well as by the artisan. Students in the Motor Mechanics shop and Electrical wiring shop should pay Rs 5 per month.

There is a short course of 3 months duration in Motor Shops for Driving only. Fee Rs 50 only, payable in advance.

The school has got well equipped work shop with up to date machineries. It undertakes out door jobs from Public in general in all shops.

The Motor garage and electrical wiring shops are the special feature of this school. The Motor garage has got besides its all other up-to-date requisite for overhauling and repairing, the "Duco painting" and Oiling and greasing by compressed air system.

Most of the Ex-students, who come out successfully are employed in services or business, and earning a decent income.

PREM MAHA VIDYALAYA, BRINDABAN.

Village Workers' Training Class Educational qualification up to Matric Standard, Course 2½ years. Courses of study—Rural Economics, Elementary citizenship, Co-operative movement, Agriculture, Spinning, Carding, Weaving, Sanitation, Hygiene and first aid, Commerce Department gives training in Short-hand, Type-writing and Book-keeping. A special course of ceramics and pottery extends over three

HAND SPINNING & WEAVING: Contains Detailed Methods. As. 4.
INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

the standard of his work, conduct, attendance or health will be liable to be discharged

Apprentices who have not less than 6 months continuous Works experience after graduation in an Iron & Steel Works abroad, will be paid Rs 200 per month throughout 2 years, if it is considered that this experience is of such a nature as to merit this salary. Laboratory work will not be counted as Works experience. Excepting as just stated, apprentices will receive Rs 75 per month during the period of their apprenticeship if in Class A (1), or Rs 50 per month if in Class B

Apprentices who are admitted to the Institute will be required to supply a "Bondsman" (Father, close relative or guardian) who undertakes to re-imburse the Steel Company for all expenses incurred on his training, in the event of his failure to complete his training to the satisfaction of the authorities

The approximate inclusive cost of living for apprentices in Jamshedpur is Rs 50 per month. A limited amount of room accommodation will be available in the Institute Hostel, at a charge of not more than Rs 4 per apprentice per month. Apprentices will provide their own food and make their own messing arrangements. The Company will provide free medical attention except for treatment in the Special Ward of the Hospital for which the apprentices will have to pay 50 % of the total charges

On completion of their training, apprentices who are considered suitable, may be given employment with the Tata Iron & Steel Company, the status and salary of which will be determined by individual merit and by the posts available. Trained apprentices may be required to enter into an agreement to serve the Tata Iron & Steel Company for five years.

KALA-BHAVAN TECHNICAL INSTITUTE, BARODA.

The Kala-Bhavan Technical Institute, Baroda, offers the following Diploma Courses — (1) Mechanical, (2) Electrical and (3) Civil Engineering, (4) Dyeing, Bleaching and Calico-Printing, (5) Soaps and Oil, (6) Weaving Technology, (7) Architecture, (8) Painting, (9) Photography and Photo-Engraving. Courses Nos 1, 2, 7, & 8 are of 4 years' duration. All others extend over three years.

There is a certificate course in each of the above and Commerce Class. All Diploma classes and Commerce classes are conducted in English, the certificate courses are taught in Gujarati.

The standard of admission is that of Matriculation for the Diploma Courses and that for the certificate course is English Standard III or Vernacular Standard V. For commerce it is English Standard VI passed.

The tuition fee is as follows:—For Baroda State Diploma Rs 50 per year, Certificate Rs 30 per year. For Outsider Diploma Rs 75 per year, Certificate Rs 50 per year.

Kala-Bhavan Residency can accommodate about 80 students only. The cost of living in Baroda is about Rs. 20 a month.

KERALA SOAP INSTITUTE, CALICUT.

Training of apprentices.—Apprentices are admitted for training in the manufacture of soaps. There are two courses of training. The long course extends over a period of one year and the short one covers three months. Students who have undergone the long course may take an advanced course of training for a further period of one year. Term begins from the middle of June.

HAND SPINNING & WEAVING: Contains Detailed Methods. As. 4.
INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

Rattan Work, Fitter's Work and Blacksmithy. Six year course—Carpentry and cabinet-making.

Applications for admission should be made in prescribed forms which may be obtained at the office of the Institute between 15th May and 1st July. Admissions are restricted to students who have completed the full Primary Course of Education, preference being given to students who have completed the Middle School Course. A sum of Re 1 is charged as Admission Fee.

Fees and Stipends —No tuition fee is charged to Mysoreans. Non-Mysoreans should pay Re 1 as monthly fee for Industrial Classes and Rs 2 for Drawing and Painting Sections. Stipends are granted to Mysoreans.

At the close of the course, students who have satisfactorily completed it, will be given diplomas. Preference will be given to Diploma Holders in filling up vacancies in the State Industrial Concerns.

**SRI MEENAKSHI TECHNICAL INSTITUTE,
Great Cotton Road, Tuticorin.**

The Institute offers coaching for the City and Guilds Examinations Grades I, II and III in Electrical Engineering.

TECHNICAL COLLEGE, DAYALBAGH, AGRA.

Courses of study include mechanical engineering, electrical engineering, automobile engineering and leather working. Candidates must be at least matriculate with Science for the mechanical and electrical engineering courses, must have read upto VIII class standard for automobile engineering course and must be well able to read and write for the Leather Working Course. Courses of study extend to 4 years in the case of mechanical and electrical engineering; 2 years in the case of automobile engineering and 3 years in the case of leather working. Tuition Fees for engineering and mechanical class Rs 2 per month; Automobile engineering Rs 5 per month 1st Year; Rs 8 per month 2nd year, No fees for leather working class. Sessions begin on the 15th July. Last date of application 30th June. Hostel accommodation provided for engineering class students.

TECHNICAL INSTITUTE OF UJJAIN, GWALIOR.

The Institute imparts training on spinning, sizing, warping, silk and cotton weaving, designing, drawing and estimating, fitting and working of machines and carpentry, 2 years' course. No fees are charged.

TECHNICAL SCHOOL AT KANCHRAPARA.

The scheme of training Apprentice Mechanics provides for shop-training under commercial conditions in the E B Railway Locomotive, Carriage, Wagon and Electrical shops at Kanchrapara with simultaneous scientific Engineering training at the Kanchrapara Technical School. Apprentices are admitted annually in July, the apprenticeship commencing on the first working day of the month. Candidates must have passed the Admission Examination of the Board of Apprenticeship Training and they must not be below 16 nor over 19 years of age on the 1st of July of the year in which they desire admission. The syllabus and rules for the Admission Examination may be obtained from the Secretary, Board of Apprenticeship Training, 110, Surendra Nath Banerjee Road, Calcutta, and application for permission to sit for the examination must be made to him. Applications for apprenticeship in the Railway Workshops should be made to the Chief Mechanical Engineer, E. B. Railway, 3, Konlaghat Street, Calcutta, by

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years with another six months' period as apprenticeship and is open for admission to all, possessing knowledge up to Matric standard. Training is provided in Clay Modelling and Painting; Glazed Pottery and Stone ware White Porcelain and Chinaware, Papier Mache work, Brass and Iron lock making and use of the Potter's wheel. Each course extends over 2 years with a period of six months for apprenticeship and is open to all students having read up to primary standard.

For students who have not gone through a regular school course there is no provision in the workshop for training as Turners, Moulders and Fitters, Carpenters, Carpet-weavers, Engine drivers, Clay moulders. Potters' course extends from 1 year to 3 years Tailoring course takes one year Articles manufactured in the different departments of the institution can be had from store (Prem Bhandar)

RANCHI TECHNICAL SCHOOL, RANCHI.

The Institute offers five years' improved apprenticeship course of training in the following trades—Carpentry, pattern making, cabinet making, printing and polishing, moulding, smith's work, fitting, machining, electrical fitting on electrical wiring, motor machines.

Candidates for admission should be between the age of 15 and 19 years. Selection is based on the result of a competitive admission examination up to the middle vernacular standard held in January. The period of training is not less than five years but a student who has failed to become competent within this period may be allowed to continue without stipend until he does so. The students are not required to pay any fees. A number of stipends ranging from a minimum of Rs 5 per month in the first year and gradually rising to Rs 12 by annual increments are available. In the case of exceptionally meritorious students the rate of stipends may rise to a maximum of Rs 18 per month in the final year. A deposit of Rs. 10 must be paid on admission which will not be refunded until the student completes the full period of training. No candidate will be admitted who is not considered physically fit for hard manual labour.

Instruction comprises lectures in theory as well as craftsmanship training in the workshop. The teaching is in the vernacular. Those who make good progress will be given increased time for study as their training proceeds.

On the satisfactory completion of the full period of training one of the certificates as hereunder will be granted:—(a) A diploma to those who have undergone the full workshop training as well as the full theoretical course of instruction (b) An artisan certificate to those who have undergone the full workshop training only.

ROYAL COLLEGE, MAIN ROAD, DADAR, BOMBAY.

The College has several branches of learning, such as Electrical Engineering, Wireless, Radio, Telegraphy and Commerce, wherein a dozen of courses are offered. Besides this, there is a Postal Section where courses in Shorthand, Book-keeping, Correspondence, English Speechcraft and Broadcasting are offered.

SRI CHAMARAJENDRA TECHNICAL INSTITUTE, MYSORE.

Subjects of instruction Five year courses Drawing—Freehand, Geometrical, Perspective, Model, Common Objects and Nature, Painting—in Oil, Water-colour, Tempera, etc., from casts of ornaments, antique figures, flowers, fruits, still life, drapery and the living model; Modelling—In Clay, Wax and Plaster of ornaments, antiques and the figures, Designing—For Furniture, Inlay, Carving and other artistic industries, Industrial Arts—Engraving and Enamelling, Metal Work,

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respective Directors of Industries) Applications are accepted only on the official printed Application Forms obtainable from the Institute. There are two terms per session and the fees per term are Rs 65 for bonafide Bombay Presidency (excluding Indian States) students and Rs 90 for all others.

Hostel accommodation is available for 156 students in 78 rooms. The rent is Rs 36 and Rs 42 per term per student for ground and first floor accommodation respectively.

The average expenses of a student, inclusive of fees, boarding, lodging, books, tools etc are about Rs 60 per month.

SUPPLEMENTARY LIST.

Boys' Industrial School, Balasore, Bhojo Mohan Technical Institute, Backerganj, Chemical & Toxicological Institute, Goa, Government Industrial School, Delhi, Govt Metal Works Institute, Ambala; Government Metal Works Institute, Sialkot, Industrial School for Boys, Berhampore, Jamalpur Technical Institute, Jamalpur, Krishna Vilas Technical Institute, Tanjore; Khalsa Industrial School, Darya Ganj, Delhi, Maharajah Cossimbazar Polytechnic Institute, 1 & 3, Nandalal Bose Lane, Baghbazar, Calcutta, Mahila Shilpa Bhavan, 6/1, Vidyasagar St., Calcutta, Mahila Vidya Bhavan, 1/6, Raja Dinendra Street, Calcutta, Nabadurga Free Industrial School, Banaripali Naskar Road, Behala, Calcutta, Nari Siksha Samity, 6/1, Vidyasagar Street, Calcutta. (For ladies only), National Electric Institute, (Regd.) Mahuva, Kathiawar, Pannalal Seal Vidyamandir, 5, Olai Chandi Road, Calcutta, Royal Institute of Technology, Ballimoran, Delhi, Sir Ratan Tata's Industrial Institute, Hughes Road, Bombay; Soap Training House, Saidpur, Rangpur, Bengal, Srimulam Technical School, Travancore; St Joseph's Industrial School & Press, Trichinopoly (Metal Casing Turning & Fitting, Cabinet Making, Painting), Surma Valley Technical School, Sylhet, Sree Andhra Jatiya Kalashala, Masulipatam, Victoria Technical Institute, Panthon Road, 5, Egmore, Madras

MEDICAL INSTITUTIONS.

CALCUTTA DENTAL COLLEGE AND HOSPITAL, 114, Lower Circular Road, Calcutta.

Course Four Years Session begins on the first Monday in July. Tuition fees Rs 300 per annum Entrance requirements—Matriculation of an Indian University.

CHICAGO MEDICAL COLLEGE OF HOMOEOPATHY, 5, New Jagannath Ghat Road, Calcutta.

Minimum qualification for admission is a fair knowledge in Vernacular Sessions commence from January, March, June and October. Admission fee Rs 5/-, Tuition fee Rs 4/- per month Course 1 year

CITY DENTAL COLLEGE & HOSPITAL, 24-2, Cornwallis Street, Calcutta.

Regular Course —For those who intend to practise as a Dental Surgeon, the course will extend over a period of two years only Special Course —For qualified medical practitioners this course will extend over a period of one year only. The Session will commence by the 15th January and July every year. The students (either sex) for admission should at least be 18 years of age and should be matriculate Tuition Fees—A Course 1st year Rs 350, 2nd year Rs 250, B Course Rs 350.

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letter only, immediately the results of the May Admission Examination are out Only apprentices in the E B Railway Workshops at Kanchrapara are eligible for training at the Technical School

TIRHUT TECHNICAL INSTITUTE, MUZAFFARPUR.

The Institute is equipped with class-rooms, workshops, etc, and undertakes the training of Industrial Diploma classes as well as Oil Engine and Leather craft artisans

Industrial Diploma Class—These classes are intended to prepare students for an active part in modern manufacture Training is given in the following sections—

Wood-working (Carpentry and cabinet-making, Metal section (Blacksmithy, Fitting and Machine works)

Arrangements have been made at present for training in the following departments—

(1) Carpenter's shop, (2) Cabinet maker's shop, (3) Painter's shop, (4) Smithy, (5) Fitting shop, (6) Machine shop, (7) Pattern shop, (8) Foundry

The course of instruction will ordinarily cover five years Instruction is given in the vernacular and includes Lectures in theory as well as practical training in the workshop.

Candidates for admission must not be below the age of 15 and above 19, and preference will be given to the natives of the province and persons domiciled therein Selection is based on the result of an admission examination followed by a personal interview with the Superintendent Ten stipends ranging from Rs 5 to Rs 18 per month are awarded each year in this section, for each class

Leather working and Oil Engine Driving class—The length of the course of instruction is two years for leather working and one year for the Oil Engine driving class Instructions, practical only, are given in Vernacular.

Candidates should preferably be between the ages of 15 and 18 years and should have passed the middle vernacular or higher examinations Candidates who have not passed the middle vernacular examination shall be examined in reading, writing and Arithmetic for admission Artisans in those classes are paid stipends calculated roughly on the amount they are capable of earning and varying in value from Rs 4 to Rs 8 P.M. Ten stipends are awarded each year in the oil engine driving section and 15 in the leather section

VICTORIA JUBILEE TECHNICAL INSTITUTE,

King's Circle, Matunga, Bombay.

The following are the courses of instruction at the Institute—

Mechanical Engineering, Electrical Engineering, Textile Manufactures, Technical and Applied Chemistry (including courses in (a) Textile Chemistry—Dyeing, Bleaching and Sizing, (b) Foods and Drugs and General Analysis (c) Technology of Oils, Fats and related products and Sanitary Engineering and Plumbing Each course extends over four yearly sessions, and Diplomas—(according to the standard attained) are awarded by the Board of the Institute to students who pass their Final Examinations

The Institute is not affiliated to any University but is recognised by the Government of Bombay as the Central Technological Institute, Bombay Presidency.

Candidates for admission (who should be of or above 16 years of age) are selected on the results of the Entrance Examination which is held early in June at the Institute (and also in Calcutta, Cawnpore, Lahore, Madras, Nagpur, and Cuttack under the supervision of the

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Bombay.
Bombay Homeopathic Medical College, Sethna Bldg., Princess Street.

Bombay.
Gordhandas Sunderdas Medical College, King Edward Road, Parel.

Bombay
Grant Medical College, Byculla, Bombay.

Madras.

Barnard School of Radiology, Madras

Government Medical School, Rayapuram

Government School of Indian Medicine, Madras

Lady Willingdon Medical School for Women, Madras

Madras Ayurvedic College, 285, China Bazar Road, Madras

Madras Dental College, 285, China Bazar Road, Madras.

Madras Homeopathic College, Conjeevaram

Medical College, Madras, Park Town, Madras.

New Delhi.

Lady Hardinge Medical College & Hospital, New Delhi. (For women).

Unani Tibbi Ayurvedic College, New Delhi.

Mofussil.

Agia Medical School, Agra.

American Dental College, Elphinstone Street, Karachi

Byramjee Jeejeebhoy Medical School, Ahmedabad

Chittagong Homeopathic College & Hospital, Chittagong

Chittagong Medical School, Chittagong

Dacca Medical School, Dacca

Dacca National College (Medical Br.), Bangla Bazar, Dacca

Darbhanga Medical School, Darbhanga

H R H the Prince of Wales Medical School, Tanjore.

Health School, Nagpur.

King Edward Medical College, Lahore.

King Edward VII Memorial Pasteur Institute & Medical Research
Institute, Shillong

King George's Medical College, Lucknow

Lytton Medical School, Mymensingh

Medical College, Goa

Medical School, Hyderabad, Sind

Medical College, Vizagapatam.

Omissa Medical School, Cuttack

Pabna Medical School, Pabna.

Pasteur Institute, Patna

Pasteur Institute of India, Kasauli

Prince of Wales Medical College, Patna

Punjab Vaccine Institute, Lahore.

Robertson Medical School, Nagpur.

Ronaldshay Medical School, Burdwan.

Vaccine Institute, Nagpur.

Women's Medical School, Agra

MERCANTILE MARINE.

INDIAN MERCANTILE MARINE TRAINING SHIP "DUFFERIN,"

Mazagaon Pier, Bombay.

The aims and objects of the "Dufferin" is to obtain suitable candidates from among British Indian subjects or subjects of a ruling Prince in India for the Indian Mercantile Marine in such a way that they may with confidence be expected to follow the sea as a career, and be fit in

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Y. B. 39.

COLLEGE OF OPHTHALMOLOGY,

164, Dhurumtollah Street, Calcutta.

The following courses are taught.—

Foreign Diploma Course—For those who are preparing to go to foreign countries for diplomas with Ophthalmology as special subject Admission fee Rs. 10. Tuition fees for lectures and demonstrations, Practical Pathology and Bacteriology, Operative Surgery Rs. 450, of which Rs. 250 is payable on admission.

Medical Students Course.—One theoretical course (in diseases of the Eye) lasts for about 6 weeks. This is meant for the students of Medical College and schools just before each examination Fees.—Rs 15 each for the whole course payable in advance.

Ophthalmic Opticians' Course—The course will spread over a period of ten months. There will be 2 courses of instruction annually commencing from January and July. These will comprise night testing, physical, physiological and mechanical optics, lenses, etc. Admission fee Rs 10. Tuition fees Rs 25 per month.

Practitioners' Special Eye Course (6 months'), Fees Rs 310.

Practitioners' Surgical Eye Course (2 months'), Fees Rs 110.

INDIAN COLLEGE OF NATUROPATHY,

100, Harrison Road, Calcutta.

The college teaches various systems of Nature Cure by Oral Practical and Correspondence Doctors Course.—Only 1 Sc or 1 A students with Physics and Chemistry admitted Naturopathy, 3 yrs Rs 300/-, Hypnopathy, 1 year, Rs 150/-, Electropathy, 6 months, Rs 120/-, Chromopathy, 6 months, Rs 115/-, Dietotherapy, 6 months, Rs 125/-, Physiotherapy, 6 months, Rs. 125/-, Massage, 6 months, Rs 125/- There is a Licentiate Course, open to Matriculates Fees from Rs 52 to Rs 66.

SUPPLEMENTARY LIST.

Calcutta.

All-India Institute of Hygiene & Public Health, 21, Chittaranjan Avenue, Calcutta.

Bengal Allen Homeopathic College, 169A, Bowbazar Str., Calcutta.

Bengal National Medical Institution and Hospital, 72, Suria 1st Lane, Calcutta.

Biswanath Maha Vidyalaya, Grey Street, Calcutta.

Calcutta College of Homeopathy, 266, Upper Circular Road, Calcutta.

Calcutta Medical School, 301, Upper Circular Road, Calcutta.

Campbell Medical School, Sealdah, Calcutta.

Carmichael Medical College, 1, Belgachia Road, Calcutta.

College of Homeopathy & Biochemistry, 172, Bowbazar Str., Calcutta.

Dunham College of Homeopathy, 135 3, Bowbazar Str., Calcutta.

English Naturopathic College, 57, Gwynne Road, Calcutta.

Faculty College of Homeopathy, 1B, Gopal Bose Lane, Calcutta.

Govinda Sundari Ayurvedic College, 20, Ramkanto Bose Str., Calcutta.

Jamini Bhushan Ashtanga Ayurveda College, 170, Raja Dinendra Str., Calcutta.

Medical College, 90, College Street, Calcutta.

National Medical College, Gorachand Road, P.O. Entally, Calcutta.

Presidency Medical School, 29, Russa Road, Toll-gunge, Calcutta.

R. C. Nag Regular Homeopathic College, 166, Bowbazar Street, Calcutta.

School of Tropical Medicine, Central Avenue, Calcutta.

Valdya Sastrapith, Upper Circular Road, Calcutta.

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Lucknow, Patna, Madras, Delhi, and Karachi Candidates who pass the qualifying examination will be required to come to Bombay for an interview with the Selection Board and to undergo an eyesight test for vision and colour blindness, also a medical examination. These tests and the selection will ordinarily take place about the 8th of January. The total number of entries in each year is limited to 50 cadets, 25 for the Executive Course and 25 for the Engineering Course. Six scholarships, each of the value of a remission of half fees, viz Rs 25/- per month and applicable to Engineer and Executive Cadets alike, have been granted by the Government of India. These are tenable for three years, provided that the boy makes satisfactory progress. The object of these scholarships is to assist those parents or guardians, who are not in a position to pay the full fees, to send their boys to the Training Ship. Certificates of fitness from a Government medical officer, not below the rank of an Assistant Surgeon, must accompany their application. Such certificates will in no way entitle the applicant to exemption from the further medical examination or eyesight test in Bombay.

MISCELLANEOUS INSTITUTIONS.

ANBIAN'S COLLEGE, ARUMUGANERI, S. I. R.

The College provides the following Special Courses designed for the busy men and women. Special English Course, Public speaking course, Course in Bio-Psychology, and Research Course.

AUTOMOBILE ENGINEERING INSTITUTE,

(Under the Management of—The Great Indian Motor Works, Ltd.),

12, Government Place East, Workshop:—33, Rowland Road, Calcutta.

Courses and Fees.—1 Special Automobile Engineering Course, with driving (with allowance) for two years Rs 300/-, 2 Full Course, with driving (without allowance) for one year Rs 200/-, 3 Full Course, (without driving) for nine months Rs. 100/-, 4 Full Course (with driving service course) for three to four months Rs 100/-, 5 Owners License fee Rs 80/-, 6 Professional (Driving License Course for trained hands) Rs 50/-.

Tuition fees are payable in advance, but suitable arrangement for instalments may be made for deserving candidates. Tuition fee includes—Police License Rs 10/-, Doctor's fee Rs 5/- and Photo Re 1/8/-.

Method of instruction consists of a combination of theoretical and practical training. The class room periods alternate with the workshop ones.

CITY TELEGRAPH AND COMMERCIAL COLLEGE, (Wireless Training Branch).

121/B, Bowbazar Street, Calcutta.

Course extending over 9 months (to an intelligent students 6 months) covers requirements for the examination conducted by the Director General, Post and Telegraphs, India, to obtain certificate of competency in Wireless Telegraphy. Course includes General Principle of Electricity and Magnetism, Theory of Radio-telegraphy and Radio telephony, Transmitting and receiving messages by ear, etc. Fees for complete course are Rs 200 payable in 3 instalments.

FRENCH MOTOR CAR CO., LTD, (SCHOOL OF MOTORING).

234-3, Lower Circular Road, Calcutta.

Tuition in Motor-Car Driving and Maintenance given. Scale of fees:—Full course (9 months) Rs 275; full course without driving (9

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all respects to hold their own as good and efficient officers. To attain this result it is necessary to bring each cadet up to an educational standard which will enable him to continue his own education at Sea in the case of Executive Cadets, ashore and afloat in the case of Engineering Cadets, and so eventually to pass the Government Examinations for certificates of competency as masters and mates or engineers in the Mercantile Marine.

Cadets will be required to live on the training ship, and will be subject to the discipline of the ship's officers and of the teaching staff. After leaving the Dufferin, three years are usually spent as an apprentice, during which time the boy learns the practical side of his profession.

The full course in the training ship lasts for 3 years. Each year is divided into 2 terms. First term January 10th to May 31st, Second term September 1st to December 10th.

The classes are named as follows -- Junior, 1st year, Remove, 2nd year; Nautical, 3rd year.

The fees are Rs 50 per mensem, payable in advance for each term. The first term's fees, payable before the 10th January, amount to Rs. 225, the second term's fees payable before 1st September, amount to Rs 175. These fees include board, lodging, tuition, medical attendance and games.

Instruction on the Training Ship will be given in English, Geography, History, Arithmetic, Algebra, Geometry, Science and Mechanics in the case of the general subjects. With regard to vocational subjects, Executive Cadets will be given Seamanship, Trigonometry including Great Circle Sailing, Navigation, Meteorology, Compass, Naval Architecture and Engineering and Direction Finding, while Engineer Cadets will be given Engineering Knowledge, Practical Mathematics, Heat and Power, Mechanics and Mechanical Drawing.

The training on the ship provides an education not inferior to that obtainable at educational establishments on land, so that those who finally do not elect, for a career at sea, will find that their time has not been wasted.

The following Universities and Education Boards have recognised the Dufferin Final Passing Out Examination Certificate, both Executive and Engineering, as equivalent to their Matriculation or their High School Examination -- Universities of Aligarh, Andhra, Annamalai, Benares, Bombay, Calcutta, Delhi, Madras, Mysore, Nagpur, Osmania, Patna, Punjab, Rangoon and the Board of High School and Intermediate Education, Allahabad, and the Board of Intermediate and Secondary Education, Dacca.

Great attention is paid to physical drill, which is practised every morning. Playing fields have been provided ashore, which they visit at least four times a week, hockey, football and tennis being taught and played. Deck games such as Deck cricket, tennis, and hockey are also encouraged. All cadets are taught boxing under competent supervision. A gymnasium and indoor recreation room are provided.

Candidates seeking admission must be British subjects, whose parents are domiciled in India, or subjects of a Ruling Prince in India, and must be between the ages of thirteen years 3 months and sixteen on January 15th of the year of entry into the Dufferin. They will be required to pass a qualifying examination in Arithmetic, Algebra, Geometry, English, History, Geography and General Knowledge conducted in English and set on the syllabus of the fourth standard at an Anglo-Vernacular School. This examination will be held about the 1st of November simultaneously at Bombay, Calcutta, Lahore,

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INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.**

Fees—For the Preliminary Radio Engineering Course (one year) Rs. 5/- monthly, and Intermediate Radio Engineering Course, Rs 6/- monthly; For the Bachelor of Radio Engineering Course, Rs 7/- monthly, for the Master of Radio Engineering Course, Rs. 8/- monthly; Electricity fee for all the above Courses is Rs 4 per year (Rs 2 payable every six month) This fee includes the electric charges for fans and laboratories

Approved as a Public Institution by the Director of Industries, Govt of Bengal and the Corporation of Calcutta, with annual grant

O'BRIEN TECHNICAL INSTITUTE, KOLHAPUR.

There are various branches in which candidates will be given theoretical and practical training —1 Mechanical Engineering (3 years' Course), 2 Mestry Class (3 years), 3 Manual Training (2 years), 4. Weaving (2 years), 5 Motor Mechanics (2 years), 6 Electro Plating (2 years), 7 Engraving (1 year), 8 Cane work (1 year), 9. Draftsman's Class (1 year), 10 Electric Wireman's Class (2 years), 11 Dyeing (1 year) Medium of instruction is mainly Marathi and English

Terms—Each year is divided into two terms, the first term extends from the 10th June to the 30th September, the second from 1st November to the 20th. April

Admission to students in all the classes, is given every year in the second week of June.

Applications for admission should reach the Superintendent on or before the 31st May of each year

SAROJ NALINI INDUSTRIAL SCHOOL FOR WOMEN,

60-B, Mirzapore Street, Calcutta.

The School was founded with the object of imparting industrial training as well as cultural education to adult women of the Bhadralok class

The subjects taught in the School are the Following —(1) Sewing and Cutting, (2) Embroidery and Drawing; (3) Carpet and Durry Weaving, (4) Plain and Fancy Cotton Weaving, (5) Cotton and Wool Dyeing; (6) Jaipur Ornamental Brass Works, (7) Knitting Socks, Scarves, Mufflers and Children's Cap by machines (8) Toy Making, (9) Woodcut; (10) Leather Embossing, (11) Folk Art including Alpaca and Mural Painting, (12) Music, (13) Nursing, and (14) General Education in English and Bengali upto M E Standard

There is also a teachers' Junior Training Class for women

There is also a Boarding House attached to the School for the mofussil pupils

SCHOOL OF CHEMICAL TECHNOLOGY,

P-154, Lake Road, P. O. Kalighat, Calcutta.

Special Courses of instruction designed to train individuals to become useful members of Society and to develop scientific cottage industries: Pharmaceutical chemistry and botany, Scientific agriculture, Drug cultivation, Examination of blood, sputum, urine, Soap chemistry and manufacture of pure soap, both toilet and washing, investigation and manufacture of all indigenous herbs and drug, such as belladonna, cinchona, nux-vomica and such other useful medical products Each course lasts for three months Fees for each course Rs 300

Ordinary boarding charges approximate Rs 25 to Rs 30, a month Candidates must be Matriculate or its equivalent or must pass a special pre-admission test Courses open to all. Laboratory at Lake Road

Start A New Industry! Read MANUFACTURE OF RUBBER GOODS.
Price Re. 1/8. INDUSTRY BOOK DEPT., SEAMBAZAR, CALCUTTA.

ORDNANCE FACTORIES.**GUN AND SHELL FACTORY, COSSIPUR, CALCUTTA.**

Apprentices receive training in, (1) General Mechanical Engineering or (2) Mechanical Engineering trades. Recruitment occurs through Public Service Commission. Candidates must not exceed 19 years in age and must have passed the Intermediate Examination in Science or Engineering of a University or Board approved by the Governor General in Council or have obtained the Cambridge School "A" Certificate of the Higher Diploma of the Mayo College, Ajmer. Period of Training extends over 5 years, combined with an approved course of theoretical instruction at the Calcutta Technical School. Apprentices are required to live in Government Hostel.

In addition, the Boy Artisan Training Scheme provides a five years' course of training for selected boys between the ages of 15 and 17 years. This course is intended to produce Craftsmen, capable, ultimately, to fill junior supervisory posts in Mechanical Engineering Workshops. The practical training is supplemented by a special course of education in the Factory School.

INDIAN ORDNANCE FACTORIES,**Rifle Factory, Ishapore.**

Apprentice—Training is given in Mechanical Engineering in this factory and also in Gun and Shell Factory, Cossipore, and Gun Carriage Factory, Jubbulpore. Course five years. Maximum age limit 19 years on the 1st August immediately preceding the selection which is done by the Public Service Commission usually in the beginning of the year. Qualifications for admission are the same as in the case of Gun and Shell Factory, Cossipur. Applications for candidate are invited by publication in the Gazette of India. Allowance during apprenticeship Rs 40 per month in the 1st year. Annual increment Rs. 5, Rs 7-8 and Rs 10 depending on progress.

Boy Artisan—Special training in one trade only. Course 5 years. Age limit 17 years. A candidate must have read up to 6th Class of High School. Allowance varies from As 6, daily in 1st. year to As 14 daily in the 5th year.

Technical School—3 years' course in metal and wood working tools. Age limit 17 years. The applicants must have read up to the fifth class. Monthly fee Re 1 only. No allowance.

Primary School—Course consists of English, Arithmetic and drawing. Age limit is 12 years.

INDIAN ORDNANCE FACTORIES,**Gun Carriage Factory, Jubbulpore.**

Must be under 19 years of age and must have passed the Intermediate Examination in Science or Engineering. The period of apprenticeship is five years. Apprentices are to specialise in General Engineering. Application for Apprenticeship in the Gun Carriage factory should be made direct to the Federal Public Service Commission.

INDIAN ORDNANCE FACTORIES,**Cordite Factory, Aurvankadu, Nilgiris.**

A candidate must be in good mental and bodily health and free from any physical defect likely to interfere with the efficient performance of his duties in the Ordnance and Clothing Factories.

A candidate for appointment as apprentice must have attained the age of 18 years and must not have attained the age of 24 years on the 1st day of August immediately preceding the selection and must hold a

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**SCHOOL OF MOTORING,
12/1, Government Place East, Calcutta.**

Provides course for motor engineering and driving. Monthly allowances to candidates in special engineering course

USHAGRAM SCHOOL, USHAGRAM, ASANSOL.

For Boys. Along with the Matriculation course, each boy may take one vocational subject, choosing from among the following: carpentry, weaving, agriculture, tailoring, soap-making, printing, book binding, art, including music. There is also provision for Vocational training apart from Matriculation classes. Fees —Rs 4 in the Matriculation Class to Rs 2 in class III. Two hostels are maintained, the Boys' village hostel receiving boys between 6 and 12 years at 4 rupees month inclusive of School fees, and the Bigger Boys' hostel, preparing take orthodox Hindus at Rs 8 per month exclusive of Re 1 seat fee, and the regular class fees.

For Girls —Provision for 75 girls in cottage system of hostels with classes upto the Matric Standard. Also courses in art, mkt. Domestic Science, and Weaving, either combined with the regular course or separate therefrom. Two hours of manual work are expected of each girl per day. The fees for girls, and for little boys reading in the first three classes range from As 8 in the kindergarten class to Rs 3 in classes 9 and 10. The full fee for the hostel is Rs 4 per month inclusive of school fees, with no separate arrangement being made for girls of different faiths.

**VICTORIA TAILORING AND CUTTING COLLEGE,
Budhwar Chowk, Poona No. 2, Branches Rajkot (Kathiawar)
and Ahmedabad.**

The Institution along with its Branches has been recognised by the Government of Bombay, Industries Department.

Courses of study Diploma course Cutting fee Rs 100/- only. Duration of Cutting 3 months and cutting and tailoring 9 months. Shirts, Indian-shirts, Trousers, Indian-trousers, Waist-coats, Coats, Over-coats, Breeches, Ladies Garments. Total lessons 111. Students joining immediately on receipt of Prospectus charged Rs 110/- per month. The diploma course is divided in 3 sections. Tuitions are given in one or more courses.

The Institution offers individual instructions in scientific Cutting and Tailoring. A Diploma is awarded to deserving candidates. The Institution undertakes to secure a Diploma of Merit, First class, or a First class standard, London, as the case may be, for its students for a moderate charge.

Government examinations are held twice a year.

SUPPLEMENTARY LIST.

Banton's Tailoring College, Agra, Calcutta Commercial Institute, College Street Market, Calcutta (Tailoring), Calcutta School of Music, 48, Park Mansions, Calcutta, East Bengal Tailoring Institute, 206, Cornwallis Street, Calcutta, Embroidery School, Calcutta; Imperial College of Telegraphy & Commerce, 144 College Street, Calcutta; Indian Association for the Cultivation of Science 210, Bow Bazar St. Calcutta; Kala Mandir, Vile Parle, Bombay, Modern Scientific Institute, Gowalmandi, Lahore, New Shorthand & Typewriting Institute, No 75, U. F. The Mall, Simla, Remington Phonetic School, Nos. 3 & 4, The Mall, Simla.

**New Careers Await You! Read MECHANICAL INDUSTRIES, No. 1/4.
INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.**

Non-Mahomedans. Bihar and Orissa students are awarded stipends by their respective Governments

The course for boot and shoe and leather goods manufacture is of one year. The Boot and Shoe classes are held at 110, Surendra Nath Banerjee Road, the premises of the Calcutta Technical School. Matriculates and even non-matriculates are admitted to this course. There is accommodation for 24 students all from Bengal.

The sessions for both tanning and shoe making courses begin from the 1st. week of August every year. No tuition fee is charged but selected candidates for the tanning course have to deposit as caution money Rs 20/- and those for boot and shoe and leather goods course Rs 10/- against loss and damage of apparatus and tools entrusted to them for work.

On completion of the prescribed courses examinations are held on the results of which certificates are awarded to successful candidates

Further particulars may be obtained from the Superintendent of the Institute at the above address

GOVERNMENT LEATHER WORKING SCHOOL, AGRA.

Course and terms same as in Municipal Board, Allahabad

GOVERNMENT LEATHER WORKING SCHOOL, CAWNPORE.

The object of the school is to afford a systematic training in the art of Boot and Shoe-making as well as the manufacture of other sundry leather articles on modern lines.

The following are the principal subjects of instruction which will be worked out during the period of two years, (1) Anatomy of the foot-broad principles, (2) Measurements; last-fitting and pattern-cutting, (3) Selection of hides and skins, chicking, economical adjustment of patterns, closing, bottom stock-cutting, and preparation, lasting and bottom stock-attaching by hand, finishing etc (4) Making of suit cases, holdalls, and sundry leather articles (5) Mending (6) Kit-cutting (7) Making of boots and shoes for defective feet (8) Costing and system of keeping accounts necessary for maintenance of a factory.

The applicants for admission should have studied at least up to the Lower Primary Standard.

Admissions are ordinarily made only at the commencement of the session which commences from 1st July each year. Each student will have to deposit Rs 5 as caution money.

No tuition fee is charged from the bonafide students of United Provinces. Students deputed by other Provincial Governments or Indian States are to pay proportionate cost of training. Non-United Provinces students are to pay Rs 240 per annum for all 12 months of the year.

A number of stipends, entrance scholarships and Leaving Scholarships are granted. Students from outside the United Provinces are ineligible for these.

A hostel is attached to the school. The boarders are to make their own messing arrangements. (1) Hostel fee Re 1 per mensem; (2) Light fee from annas 4 to annas 6 per mensem. A student of modest means usually requires from Rs 9 to Rs. 12 per mensem to maintain himself here.

GOVERNMENT LEATHER WORKING SCHOOL, MEERUT.

Imparts training in the manufacture of boots and shoes and miscellaneous goods such as suit case, handbag and holdalls etc. Admission takes place in July every year. Educational qualification required for admission is that the boy should have studied atleast upto

There is lot of money in Confectionery making. Read **MANUFACTURE OF CONFECTIONERY**, Re. 1/8. Industry Book Dept., Calcutta.

degree in Science (with Chemistry as principal subject) and have received training in Chemical Engineering at a University or Technical College approved by the Governor General in Council

A candidate must be unmarried and must undertake not to marry during the period of apprenticeship.

A candidate must submit his application giving particulars of (1) full name (2) educational and technical qualifications (3) date of birth (4) caste or creed and (5) whether married or not together with certificates of character from two gentlemen who are either in Government Service or occupy public positions and the medical certificate of physical fitness, on or before 5th Sept 1937

The course will last for 3 years from date of joining Pay—1st year Rs 50/- p.m., 2nd year Rs 60/- p.m., 3rd year Rs 70/- p.m.

Although housing accommodation is not guaranteed, the apprentices will be required to live in Government quarters. Charges on account of house-rent, electricity for lighting and fans, water-tax and conservancy will, in the latter case, not be recovered from the apprentices.

Fifteen days' leave on full pay or 30 days' leave on half pay in the year will be granted to an apprentice at the discretion of the Superintendent or other Officer in charge of the Factory.

A bonus of one month's pay will be credited to each apprentice on completion of each year of satisfactory service, and placed on his behalf in an account in the Post Office Savings Bank or the Imperial Bank of India. The money so accruing to the credit of the apprentice will only be paid to him if he completes the full apprenticeship to the satisfaction of the Superintendent or other officer in charge of the factory.

There is no guarantee to employ apprentices on the completion of their courses, though everything possible will be done to find employment for them.

The following appointments will be open, or eventually open, to successful apprentices who are employed in the Ordnance and Clothing Factories—Temporary Supervisors on a pay up to Rs 200/- per mensem, Chaugaman at Rs 170—10—250 (E.B.) 40—4—290 per mensem; Assistant Foreman at Rs 300—12—360 (E.B.) 15—2—390 per mensem; Foreman—at Rs 400—15—475 (E.B.) 25—5—500 per mensem.

TANNING INSTITUTIONS.

BENGAL TANNING INSTITUTE, PAGLADANGA, CALCUTTA

The Institute imparts training in tanning, boot and shoe and leather-goods manufacture. The tanning course is one of two years, one year at the Chemical Laboratory and the other at the Demonstration Tannery. In the former, students are taught technical analysis of water, soap, oils, fats and waxes, tanstuffs and tanning chemicals, leather and tannery control work. At the Demonstration Tannery they are taught the methods of manufacturing different varieties of commercial leather. Theoretical lectures are delivered on (1) Principles and Methods of tanning, (2) Applied Chemistry of Leather Manufacture and (3) General Chemistry. Science graduates and candidates who have passed the I.Sc. examination are usually eligible for admission. In special cases matriculates having connection with the leather trade may also be admitted. There is accommodation for 24 students. Of these 24 seats, sixteen are for Bengal and eight for Bihar and Orissa candidates. Two stipends of Rs 30/- each per month are awarded to graduate students and two stipends of Rs 20/- each to under-graduate students from Bengal. The stipends are equally divided between Mahomedans and

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admission from the Bengali and non-Bengali private students, respectively, at the College annually. Residing in College House compulsory. Special short courses provided for (1) Farriers, (2) Dressers, (3) Com-pounders, (4) Riding and (5) Other miscellaneous subjects, such as Meat and Milk Inspection, Genetics, Dairy Farming and Poultry Keeping—all extending over 4 months with fees of Rs. 4/- for each course excepting Riding the fee for which is Rs. 15/-; all fees payable in advance.

BOMBAY VETERINARY COLLEGE, PAPEL, BOMBAY.

This institution is maintained by the Government of Bombay and provides a full course of instruction in Veterinary Science. Clinical and other facilities are afforded to meet veterinary educational requirements in the Raj Saharbai Dastur Petri Hospital for Animals which adjoins the College. The object of the college is to train competent practitioners for veterinary service under Government, for private practice, for service in Native States and for special posts under Municipalities, District Local Boards, etc. The Diploma of qualifications "Graduate of the Bombay Veterinary College" is awarded after a full course of the three years' study at the college and passing the examinations of graduation. Fees Rs. 30 per annum in the case of students belonging to Bombay Presidency, and Rs. 100 per annum in the case of students outside the Bombay Presidency.

GOVT. POULTRY FARM, GURDASPUR, PUNJAB.

One course of three weeks' duration is held in the cold weather. It is strictly practical with a one-hour lecture and a practical demonstration by the Poultry Expert each day on the various activities of the Poultry Farm such as breeding, incubation, brooding, rearing, feeding, housing, disease prevention, marketing etc. The students take part in the actual running of the farm.

A fee of Rs 5 is charged and students make their own arrangements for board and lodging in Gurdaspur. A maximum number of 21 students is accepted for the class.

The classes are confined to residents of the Punjab and knowledge of English, Urdu or Gurmukhi is the only other qualification required.

IMPERIAL DAIRY INSTITUTE, BANGALORE.

There are three courses of training given—

(1) The Indian Dairy Diploma course (2 years) gives comprehensive training in the theory and practice of dairy husbandry. Students must be over 17 years of age and the minimum educational qualification is S S L C. or its equivalent examination. Tuition fee is Rs. 15/- monthly. The course commences in October or November in alternate years.

(2) The Post-graduate course (1 year & 3 months) gives advanced training in dairy research and only agricultural and veterinary graduates or officers deputed from Provincial Departments and Indian Dairy Diploma holders are eligible. Tuition fee Rs. 25/- monthly. The course commences in January of each year.

(3) Short courses of practical training in the different branches of dairy farming can be taken for any desired period (one to six months) and at any time of the year. These courses are intended for men in the trade or officers deputed by Provincial Departments desirous of obtaining upto date knowledge in dairy farming. The tuition fee is Rs 15/- monthly.

Hostel accommodation is available for the first short course students should make their own arrangements.

If you want to market Crops, learn preliminary Crops for the Market, Re. 1/8. Industry Press.

lower primary standard. Course is of two years. No tuition fee is charged from U. P. students. Rs. 20/- p.m. as tuition fee is charged from non-U. P. students, Rs. 5/- as caution money, -/4/- p.m. as games fee and Re 1/- p.m. as hostel fee is charged. The expenses of an outside student range from Rs. 8 to 10 p.m.

GOVERNMENT TANNING SCHOOL, FATEHPORE.

The Institute trains village tanners in the modern methods of tanning, curing and finishing. Applications for admission should be made to the Head Master of the school not later than June 15 each year. The session commences each year on July 1. No fees will be charged from residents of the United Provinces. The full cost of training is Rs. 20/- per mensem will be charged from students who are deputed by other provincial Governments. Candidates for admission should be between 16 and 25 years of age. Applicants should be able to follow the instruction given in the school, and to take down notes. The course will extend over a period of two years. Practical work in the tannery and finishing departments is arranged. No boarding house is attached to the school. Monthly expenses will be Rs. 15/-.

LEATHER TRADES INSTITUTE, MADRAS.

The Institute is a centre for the provision of general advice, research and practical guidance to tanners and for the conduct of analysis of bark, water, effluent, chrome, lime liquor, etc., and of analyses of skins and hides intended for export with a view to detecting adulteration by the use of epsom salts, etc. The staff of the Institute maintains close touch with research in the sphere of leather technology in Europe and America and tests the results arrived at in those countries under conditions obtaining in Madras so that the benefit of the work that is being done in the more industrially advanced countries may be extended to tanners in a form which they can assimilate. In the tannery attached to the Institute practical experiments are carried out from time to time with a view to improving the quality of the existing classes of leather and of cheapening the present cost of tanning.

MUNICIPAL BOARD, ALLAHABAD.

Course extends over 2 years. Instructions are given in pattern cutting, chinking and closing, bottomstock cutting and preparation, lasting and bottomstock attaching by hand, finishing, mending (half-soleing, heeling, re-welting, re-soleing and general repair work), kit cuttings (Sharpening knives and awls, etc., etc), boots and shoes for defective feet. Anatomical study of the foot specially cared for and provision to ameliorate the defect and even cure it. Admission is made in July. No fees are charged.

Applicants for admission should have studied at least up to the Upper Primary Standard. Applicants should be between 15 and 25 years of age. Night-school is arranged for local shoe-makers to improve on the indigenous art.

VETERINARY, DAIRY & POULTRY INSTITUTIONS.

BENGAL VETERINARY COLLEGE, Belgachia Road, Calcutta.

The course for obtaining the Diploma as "Graduate in Veterinary Science" (G. V. Sc.) extends over at least three years. New students join on 1st June. Candidates possessing Matriculation or higher educational qualifications are given preference, and shall be between 18 and 26 years of age. Tuition fees of Rs. 50/- and Rs. 100/- levied before

If you want to market Crops, learn preliminary process from Preparing Crops for the Market, Re. 1/8. Industry Press, Shambazar, Calcutta.

Matriculates can also be considered. Tuition fee per annum Rs 120.
Course of study four years

UNITED PROVINCES POULTRY ASSOCIATION.
Dilkusha, Cantt., Lucknow.

Courses of training include Elementary (from 1st November to 31st January and from 1st February to 30th April), Advance (6 months from 1st November to 30th April) and Diploma (1 year, from 1st November to 31st October). Knowledge of English is necessary for candidates of Advanced Courses. Lectures both in English and Vernacular. Fees for U P Students Elementary Course Rs 25 Advance Course Rs 50, diploma course Rs 100. Students from other parts of India will be charged 50 per cent extra. There is an attached hostel. Every resident student must pay Rs 5 per month as hostel fee. Students make their own messing arrangement.

SUPPLEMENTARY LIST.

Veterinary College, Patna

WEAVING & DYEING INSTITUTIONS.

CENTRAL TECHNICAL INSTITUTE,
Ghandari, Gwalior.

The Institute has three classes—Class A—(Higher Class); fine weaving with gold work. The courses are for 2 years.

GOVERNMENT CENTRAL WEAVING INSTITUTE, AMRITSAR.

The Institute has three classes—(1) Class A—(Higher Class), (2) Class B—(Artisan Class) and Class C—Kinkhab Class.

Candidates who have passed the Matriculation Examination of the Punjab University or an equivalent examination of any other recognised University are admitted to Class A. The course of instruction extends to two years.

Class B is designed to benefit weaver community only. Both adult weavers and their sons are admitted. Course of instruction in this class extends to a period of one year and the training is given in vernacular.

Class C has been started to benefit the weavers in silk weaving. Weavers and artisans are admitted to this class. There are 2 sessions (1) from October to February and (2) from March to July.

Admission to all the classes takes place on the 1st October. Application for admission to Class A should reach the Textile Master by the 15th July. Application for admission to class B are also received in July, and for class C in July and February.

Hostel accommodation is provided at a nominal rent of -4/- per month to students who come from outstations but boarders will have to make their own messing arrangement. The average expenses at the hostel comes to Rs 10/- a month.

Tuition fees per mensem—Class A Re 1/-, Classes B & C -4/- and Casual students Rs 2/-.

Training is given both in theory and practice in all the branches of Weaving.

GOVERNMENT CENTRAL WEAVING INSTITUTE, BENARES.

The session commences on 1st July and ends on 19th May. Admissions will ordinarily be made at the commencement of the session, and applications must be made to the Principal on the prescribed form which can be obtained from him not later than 20th June.

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The average monthly expenses including tuition fee may come to about Rs 50/- for the Post-graduate course and Rs. 40/- for the other two courses

MADRAS VETERINARY COLLEGE, VEPERY, MADRAS.

The College affords theoretical and practical instruction for obtaining the G M V C Diploma of the College and the B V Sc Degree of the Madras University. The academic year of the College commences from July. Candidates seeking admission to the College must not be under 17 years of age on the date of commencement of the academic year. In ordinary circumstances no person over 22 years of age will be admitted. Candidates are admitted to the College by selection which is made by a committee consisting of the Principal and four members appointed by Government. Applications for admission should be made in writing in the appended form and should be submitted so as to reach the Principal not later than the 5th June 1937, accompanied by certificates required in the note under the application form.

G M V C Diploma course—The minimum general educational qualification required of applicants from the Madras Presidency is that prescribed for appointment to the Subordinate Services in the General rules for Subordinate Services, but candidates with higher educational qualifications will be preferred. Applicants from outside the Madras Presidency should possess the qualification prescribed by the University of Madras for admission to the Intermediate course or any other equivalent qualification. The course of study extends over three years.

A tuition fee of Rs 90 per annum shall be levied from the students coming from the Madras Presidency and Coorg. All others will be required to pay a tuition fee of Rs 400 per annum. The tuition fees are payable in advance and must be paid before enrolment.

Each year comprises three terms—July to September, October to December and January to March.

The hostel attached to the College provides accommodation for 88 students. All students must reside in the hostel except those permitted by the Principal to reside outside. A room rent of Rs 3 per mensem will be levied from all students residing in the hostel. In addition, all students residing in the hostel will be required to pay every month a general fund subscription of 8 annas, electric current charges varying from Rs 1 to Rs 1-8-0 and water charges from 8 annas to Re 1. The boarding charges for each student will generally be between Rs 15 and Rs 20 per mensem.

B V Sc Degree Course—Candidates seeking admission to this course should satisfy the conditions laid down for the Diploma course of the College and have passed, in addition, at least the Intermediate Examination in Arts and Science of the Madras University taking either Chemistry or Natural Science as one of their optional subjects or an examination accepted as equivalent thereto by the Syndicate of the Madras University. The course will extend over a period of three years and one term, consisting of ten academic terms (ordinarily consecutive).

Fees—Tuition fees will be levied from the students of the Degree course at the following rates—For students coming from Madras Presidency and Coorg 1st and 2nd year Rs 120 each, third year Rs 150. For students coming from outside Madras Presidency 1st year Rs 430, 2nd year Rs 430, third year Rs 460.

PUNJAB VETERINARY COLLEGE, LAHORE

College Session commences in the middle of September. Applicants for admission must have passed the Intermediate examination 1st class

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Students are required to deposit in the Postal Savings Bank every month small amounts at the rate of two annas per rupee out of the stipends paid to them. These amounts are paid to the students on satisfactory completion of their training for the purchase of tools, raw-materials, etc., required for starting the industries.

Students belonging to Bihar have not to pay fees. In the case of the students sent by other provinces and states the Director of Industries may charge the cost of their training.

The session commences from the 2nd. of January every year. The course of training in weaving, dyeing and tailoring extends over 2 years while that in other industries over one year.

Outstation students are given preference in the matter of admission in the hostels which provide free accommodation upto the number of seats available. The students make their own arrangements for food for which separate Hindu and Muhammadan kitchens are provided in the hostels.

GOVERNMENT SCHOOL OF DYEING & PRINTING, CAWNPORE.

Two courses of instruction are given in this institution—(a) Foreman Dyers (3 years course and one year's practical training in mills and factories) and (2) Artisan Class (2 years course)

Foreman Dyers—The medium of instruction is English and the course consists of lectures and practical work in Chemistry of Textiles i.e. Dyeing, Bleaching, Calico Printing and Finishing of Cotton, Wool, Silk and other fibres and on machines and materials used therein.

Artisan Class—The medium of instruction is vernacular. The course is thoroughly practical accompanied with tutorial classes and aims at improving methods of Indian dyers. Special short courses are arranged in Dyeing and Calico-printing for the benefit of those engaged in trade.

Standard of Admission—Applicants for Foreman Dyer Class should be either Matriculates of any University or holders of School leaving Certificate. Number of admission is 15 only.

Applicants for Artisan Class must know either Hindi or Urdu.
Fees—(1) No tuition fees from bonafide residents of U. P. (2) Non-U. P. students have to pay Rs. 360 per annum. (3) Games fee Rs. 6 and Social fee Rs. 3 per annum from all students. All fees payable in advance.

The Session commences from 1st July and application for admission should reach the Principal not later than 20th June.

Limited hostel accommodation is available. A monthly rent of Re. 1 is charged. Boarders pay Rs. 9 per annum for extra charges. Students are required to make their own messing arrangements. A monthly expense of Rs. 20 to Rs. 25 would suffice.

GOVERNMENT SILK WEAVING & DYEING INSTITUTE,

Berhampore, (Bengal).

This Institute is the only one of its kind in Bengal, equipped with all kinds of improved hand and power loom, silk reeling and weaving machinery. It has further attached to it up-to-date dye house and is provided with an aerograph printing plant.

Two courses of instruction are offered at this Institute, namely, (i) Advanced, and (ii) Artisan Course.

The course for advanced students extends to 2 years and begins in July each year. Candidates between 16 to 25 years of age, who have passed the School Final Examination, the Matriculation Examination or Senior Madrasa Examination, or have been trained in one of

You like to prepare chocolate, lozenges, drops, etc. Read *Manufacture of Confectionery*. Industry Book Dept., Shambazar, Calcutta.

of each year. Applications must be sent through the head master of the school in which the applicant was educated, or if the applicant has not been to school and is below 21 years of age, through his legal guardian. Application for entrance should be accompanied by a medical certificate of health, and other necessary certificates mentioned in the admission form.

The Institute is divided into the following sections—

(a) Senior class for superintendents and managers—The course lasts for three years. Admission to this class is limited to 20 students, and for those who have not passed the School Leaving Certificate, or Matriculation, an Admission examination will be held in English Composition and Arithmetic (of a standard corresponding to that of the School-Leaving Certificate Examination) and also in the vernacular.

(b) Advance class for instructors and mistries—The course lasts for one year. Those students are admitted who have passed the Junior class of this institute or any of the other schools recognised by the Department of Industries, United Provinces, and following a curriculum equivalent to the standard of the Junior class in this institute.

(c) Junior class for instructors and mistries—The course lasts for one year. Admission to this class is restricted to students who have passed through the Artisan class of this institute or that of any other weaving school which is recognised by Government and gives instruction of a similar standard. This class is limited to 30 students.

(d) Artisan class—The course lasts for one year. Admission to this class is limited to 30 students only. Two-thirds of the available accommodation shall be reserved exclusively for weaver students.

Limited number of scholarships and stipends and leaving scholarships.

No fee is charged at present but students from other provinces besides United Provinces shall have to pay a fee of Rs 350 per annum or if paid monthly Rs 30 per mensem payable for all twelve months of the year, and students residing in the hostel shall have to pay Re 1 per mensem.

All the students are required to take part in games and to pay a monthly subscription of 4 annas only.

Boarding house is provided for out-station students only.

GOVERNMENT COTTAGE INDUSTRIES INSTITUTE, Gulzarbagh, Patna.

The institute at present comprises the following departments:—(1) Cotton weaving on handlooms, (2) Cotton and wool dyeing and calico-printing, (3) Knitting of socks, hose, neckties, etc., (4) Carpet weaving, (5) Durrie weaving, (6) Weaving of newar, tape, lamp wicks, net bags, etc., (7) Making of lacquered toys, (8) Making toys of wood, (9) Making cardboard toys, (10) Glazed earthen ware and pottery manufacture, (11) Tailoring, (12) Cane furniture and basket manufacture.

Admissions to the various departments are usually made at the commencement of the session, i.e., in January of every year and are mainly restricted to the natives of the province. Application for admission should be made in the prescribed form which can be had from the Superintendent of the Institute on application, through the legal guardian of the student, so as to reach the Superintendent before 1st December.

Candidates who have completed their primary education in any vernacular are admitted. In the case of students for the weaving, dyeing, pottery and tailoring sections, the educational qualification required is of the middle standard.

You like to prepare chocolate, lozenges, drops, etc. Read *Manufacture of Confectionery*. Industry Book Dept., Shambazar, Calcutta.

Special Silk Weaving Course for one year.

Aim—The aim is to coach students in silk weaving and preparatory processes of a commercial nature

Admission—(1) Only those students who have passed the Advanced course of this Institute or its equivalent and who have shown special aptitude for silk weaving are eligible for admission.

(2) The number of students in this course will not exceed 10 at any time

(3) Four stipends at the rate of Rs 10 per mensem are awarded annually to the selected candidates.

Session—Commences in middle of November each year

Examination—An examination will be held at the end of the session and certificates will be issued to the successful candidates

GOVERNMENT WEAVING INSTITUTE, SERAMPORE.

Two distinct grades of instruction are given—Higher classes and lower or Artisan classes. Candidates for higher classes must have passed the School Final Examination, Science Side of the University Matriculation Examination or have passed the School Final Examination of Science Technical Schools affiliated to the Overseer Examination Board up to the Sub-Overseer standard. Session begins in the third week of July. Course of study three years. Students passing the Final Examination are given a diploma. Lower Classes are intended primarily for the benefit of Bengal weavers. Course of study one year. Scholarships awarded to meritorious students.

**LALKURTI HOSIERY SCHOOL,
Wahid-ud-din Road, Meerut Cantt.**

Knitting of Socks, Hoses, Stockings, Mufflers, Jerseys, Towels, Hainness-cloths, Table-cloth, and Embroidery works are taught (Wool, Cotton thread and mercerised silk). Fitting of machinery is taught. One year's course of study is fixed.

**PIONEER HOSIERY COLLEGE,
Gujranwala.**

The College trains young men with a moderate investment to earn an independent livelihood or occupy responsible posts in running hosiery concerns, by manufacturing among other specialities, the following—Plain and fancy socks and stockings (sports stockings, cycle hose, golf hose and footless hose), ladies' vests and jumpers, banyans, coat-sweaters, V Neck Pullovers (for ladies, gents, and children), mufflers scarves, woollen caps, swimming costumes, football shirts, etc

The period of training will be 6 months divided into two parts of 3 months each

The College sessions will commence on 15th of October and 15th of April, in each year.

The medium of instructions is English and Urdu

Fees—Rs 150 for the Session is realized in two equal instalments, i.e. Rs 75 at the time of admission and balance of Rs 75 after 3 months

Knitting Yarns (Cotton, wool and silk) will be supplied free of charge by the College

Only those candidates who have passed at least the Matriculation examination or an equivalent standard of a recognised Indian University are eligible for admission into this College

There is a hostel attached to the College. The mess arrangement shall be made by the students themselves. A monthly fee of Rs 2 is charged for lodging and kitchen accommodation.

Get a copy of Banerji's English Correspondence—That Complete book of General Letter Writing. Re. 1/12. Industry Office, Calcutta.

Y B 40.

the technical school to qualify themselves for admission into this Institute, are given preference.

Ten stipends of Rs 10 each per mensem are available, both in the first and second year course. Four stipends in the first year and 4 in the second year courses are reserved for Muhammadans. No schooling fees are charged.

The Artisan Course is specially meant for some of silk-weavers and reelers. There is no restriction of age or qualifications. But a candidate having at least elementary education is preferred. 15 scholarships of Rs 6 each and 15 scholarships of Rs. 4 each per mensem, tenable for 1 year, are offered to this section.

Permanent hostels for Hindu and Mohamedan students under the supervision of a Superintendent have been started. Students make their own messing arrangement. A student can comfortably live at Berhampore at a cost of Rs 13 to Rs 14 per mensem. Each student of the Advanced Course is charged Re 1 per month as seat rent plus annas 4 for furniture tax in addition to municipal tax which comes to about 6 to 8 annas per student per mensem. The Artisan students have been exempted from seat rent.

Students are also trained here in the aspects of silk weaving, dyeing, and printing, with a view to prepare them to take up responsible posts as Managers of factories and organisers of the silk industry.

GOVERNMENT WEAVING & CLOTH PRINTING SCHOOL, Bulandshahr, U. P.

The school has two sections (1) Weaving and (2) Dyeing and printing. The course is of one year duration in the former and two years in the latter class. Applications for admission will be made not later than July 15. No fee will be charged from residents of the United Provinces. A fee of Re 1 per mensem is charged in the Hostel. Students make their own arrangements for food which cost about Rs 7 per month. The age of students should not be less than 16.

GOVERNMENT WEAVING INSTITUTE, GAUHATI, ASSAM.

The Institute provides the following courses of instruction—(1) Elementary course of one year for boys, (2) Elementary course of one year for females, (3) Advanced course of one year for boys only, and (4) Short course for professional weavers.

Boys between 15 and 25 years of age, of sound physique and with some general education are eligible for admission, preference being given to pupils belonging to the Weaving classes. Females into the Female Section of the elementary course should have a working knowledge of either Assamese or Bengali and simple calculations. There is no restriction as regards age or educational qualification of a candidate for the short course.

Sessions, for the first three courses, begin in July each year. Professional weavers for the short course may be admitted at any time according to convenience. Applications for admission into the first three courses must reach the Weaving Superintendent on or before 1st July in the prescribed form. Fifteen stipends of Rs 12 per month each are annually awarded to selected candidates for the course I and III and of them 5 are reserved for students of the advanced course.

No fees are charged to students but a deposit of Rs 5 must be made before a candidate is admitted against any damage caused wilfully or by gross negligence.

There are two attached hostels. No fees are charged for the rooms, but students shall make their own arrangements as to cooking. Each hostel has accommodation for 16 students.

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CLASSIFIED TRADES AND INDUSTRIES.

ABSORBENT COTTON DEALERS.

(See Surgical Dressings).

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BIHAR

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Bailiboi & Purohit, National Insurance Bldg., Hornby Rd., Fort, Bombay

Bodh Raj Tannan, Bank of Baroda Bldg., Apollo St., Fort, Bombay.

C. H. Sopariwala, 14, Hummum Street, Fort, Bombay.

C. R. Sharp & Co., Bombay House, Bruce Street, Bombay. Cornelius & Davar, 80, Esplanade Road, Fort, Bombay

Chandabhoy & Jassoobhoy, 43, Apollo Street, Fort, Bombay.

Damania Panday & Bejan, Navsari Bldg., Hornby Road, Fort, Bombay. Branch: Calcutta

Dinsha D. Shroff, Patel Mansion, Gowalia Tank Road, Bombay.

Framroze Sorabji Angra, F. G. R. A., R. A., Mahendra Mansions, Esplanade Rd., Fort, Bombay. (Residence: Solakoti Bldgs., Grant Rd., Bombay).

K. S. Aiyar & Co., 65, Apollo Street, Bombay.

Kulkarni & Khanolkar, Ready-money Mansion, 43, Churchgate St., Fort, Bombay.

M. P. Parekh & Co., Baia Building, Pychowmie, Bombay.

Nagindas & Maneklal, Ravelin St., Hornby Road, Fort, Bombay. (Income-tax Experts).

Nariman D. Adenwalla & Co., 418, Chhotalal Bhuvan, Kalbadevi Road, Bombay.

R. C. Mehta & Co., 111, Esplanade Road, Fort, Bombay

Ruttonshaw Pestonjee Dalal, Navsari Chambers, Outram Road, Fort, Bombay.

S. B. Bilimoria & Co., 113, Esplanade Road, Bombay, 100, Chive Street, Calcutta

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H S Sohony, Kasba Peth, Sholapur.

N D Karmakar, 370, Shanwar Peth, Poona City.

R G. Shah, Sankdi Sheri, Ahmedabad.

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Afzal Banerjee & Co., 22, Canning St., Calcutta.

B N Mukherjee, B. Com., G D A., R.A., 8/2, Hastings Street, Calcutta.

Bailiboi & Purohit, 6, Hastings Street, Calcutta

Das & Majumdar, 8, Dalhousie Sq. East, Calcutta

Ford, Rhodes Thorton & Co., Tower House, Chowringhee Sq., Calcutta

G Basu & Co., 3/1, Bankshall Str., Calcutta

George Read & Co., 1, Avenue House, Chowringhee

H. P. Khandelwal & Co., 6, Sambhunath Pandit Str., Cal. Income-Tax Agency, 199-A, Cornwalls St. Calcutta.

J. C. Das, 86, Chive Street, Cal.

J Sen, A. S. A. A. (London), R.A., 5, Hastings St., Calcutta.

Kar & Sen, 4, Hastings Street, Calcutta.

Lovelock & Lewis, 4, Lyons Range, Calcutta

Want to Prosper in Business. Read "HOW TO DO BUSINESS." Re. 1. INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

A student's monthly expenditure will ordinarily be between Rs 8 and Rs 10 comprising board and lodging

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Ahmedabad.**

Courses taught at this Institute are—Cotton Spinning, Cotton Weaving, Mechanical Engineering. Fee of Rs 10 per head per term ($\frac{1}{2}$ year) in each section is payable in advance. Free studentships to 25% of students of the Institute, 6 Govt scholarships in I & II year classes of each section of Rs. 10 each. An average sum of Rs. 20 to Rs 25 per year is the minimum need by a student to buy books, drawing instruments, etc. The average cost of living in Ahmedabad will be about Rs 15 per mensem. Free use of tools to all students. Free hostel accommodation to 30 students.

All candidates who have passed A. IV. Std. V. and above are required to pass the Entrance Examination (fee Re 1) before admission, but those who have passed the Matriculation Examination or such equivalent examinations are exempted; the examination is usually held in the latter part of June.

Course in each of the above branches is three years. Session begins on the 1st of June.

The wire men's class is opened from 6-7-36 to prepare boys for the Wiremen's class Examination after obtaining one year's certificate from an approved Contractor. Same qualifications. Fee Rs 15 per term. One year's course. Classes twice a week from 6 P.M. to 9 P.M. Examination by the Sec. Com. of Director for Tech. Education, Bombay.

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Bengal Acid Manufacturing Co, 66, & 67, Bagmari Road, Calcutta.

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Bhavnagar Chemical Works, Vartej, Kathiawar (Also Chemicals)

Burma Chemical Industries, 68, Merchant Street, Rangoon.

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Dharamsi Morari Chemical Co, Ltd, 317-21, Hornby Road, Fort, Bombay.

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Paramount Chemical Works, 24, Bancharam Akkur Lane, Cal

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Narayanganj Aerated Water Co, Ltd, Hajiganj, Narayanganj, Dacca.

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Noble & Co, Khetwadi, 4th Lane, Bombay

Red Bell Aerated Water Factory, South of Godown "B," Town Bunder, Bombay

Sirdar Carbonic Gas Co. Ltd, Connaught Road, Ghorupdeo, Bombay 10

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 S. B. Billimoria & Co, Bawa Dinga Singh Building, The Mall, Lahore
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 C. C. Reddy & Co, 2/19, Armenian Street, G. T., Madras
 Fakir Muhammad, 11, Gulam Murtuza Street, Madras
 Fraser & Ross, 17, Armenian Street, Madras
 M. S. Krishnaswami and Jagannatham, 183, Mount Road, Madras
 P. N. S. Aiyar & Co, P. O. Box 367, Madras
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 Write to Manager, INDUSTRY, SHAMBAZAR, CALCUTTA.

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 Spencer's Aerated Water Factory, Mount Road, Madras
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 W E Smith & Co, Ltd, Mount Road, Madras

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 Djeambiga & Co. Ambalatadu
 Ayyer Madom Street, Pondicherry
 Gouri Soda Factory, Big Conjeeveram

K Rudappa Soda Factory, Devangere, M & S. M. Rly
 Palani Vilas Soda Factory, Bhavan Road, Erode

R K. M N. Aerated Water Factory, West Aryan St. Kumbakonam, Tanjore

Ramadass & Bros, Vearanki Lock, Kistna

S S Char & Co, Cantonment, Trichinopoly

Sarada Vilas Soda Factory, Lord Napier St, Erode.

Selvaganesar Soda Factory, Big Conjeeveram.

Sree Krishna & Co, Bazar St, Erode

Suburban Soda Factory, Calicut, Malabar South

ORISSA.

Rustomjee P Patel & Son, Buxi Bazar, Cuttack

K Appasao, Mandasa, Ganjam

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Y. Narayan Murty, Mandasa, Ganjam

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PUNJAB.

Bhai Natha Singh & Co, Sarogodha.

Imperial Soda Water Factory, Kalka, Ambala

Kailash Soda Water Factory, Sarogodha, Punjab

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Jamsetjee & Co, Park Stores, Cawnpore

Krishna Aerated Water Works, Lucknow

S D Bawaja & Son, King Market, Cawnpore

S D Bawaja & Son, King Market, Cawnpore

S D Bawaja & Son, King Market, Cawnpore

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Ismailjee Alibhoy & Son, (Ferozeporwala), New Market Road, Karachi

Ismailjee Alibhoy & Son, (Ferozeporwala), New Market Road, Karachi

Ismailjee Alibhoy & Son, (Ferozeporwala), New Market Road, Karachi

Ismailjee Alibhoy & Son, (Ferozeporwala), New Market Road, Karachi

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Ismailjee Alibhoy & Son, (Ferozeporwala), New Market Road, Karachi

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Dinshaw & Company's Factory,
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pura, Surat

Imperial Soda Factory, Sugar
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Jamshedji Jivani & Son's Fac-
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K Lala & Son's Factory, Station
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Palani Beramji Hilluvala Fac-
tory, Station Road, Delhi Gate,
Surat

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Bazar, Surat

Tajmahal Soda Factory, Zampa
Bazar, Surat.

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Bathgate's Aerated Water Fac-
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Calcutta

Byron & Co, 37, Moti Seal St.,
Calcutta.

Carlsbad Mineral Water Manu-
factory, 14, Watkins Lane,
Howrah

Cooper & Co, 26, Waterloo St.,
Calcutta

New York Soda Fountain, 183,
Dhurrantollah St, Calcutta

Orient Mineral Water Co, 14,
Wellington Lane, Calcutta

R. Scott Thomson & Co, Ltd, 30,
Park Lane, Calcutta.

S P Singha & Co, 67, Ezra
Street, Radhabazar, Calcutta

Spencer Aerated Water Factory,
51, Creek Row, Calcutta

Standard Aerated Water Co, 5,
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bulpore

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bulpore

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ganghat, Wardha

DELHI.

Behari Lal, Mori Gate, Delhi

Empress Aerated Water Factory,

Burn Bastion Road, Delhi

Kelly's Mineral Water, Nicholson
Road, Delhi.

Punjab Soda Water Factory,
Kashmere Gate, Delhi.

R K Goyal & Co, Burn Bastion
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vancore

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ur, Mysore

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Palace Road, Mysore.

H B Hanumiah, Hassan, Mysore

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Kochuvava Adima, Alleppey, Tra-
vancore

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tion Road, Rajkot, Kathiawar.

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Karachi

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Karachi

Hassanali & Co., Near Max Den-
so Hall, Karachi

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Karachi

Nusserwanji & Co., Elphinstone
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Rawji Babaji, Somerset Street,
Karachi

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thoor, St Thomas Mount, Mad-
ras

M B Krishna & Sons, 17, Gobin-
dappa Naik St, Madras

Miller & Co, 6, Wall Tax Road,
Park Town, Madras

R. Maclure, Mount Road, Madras

Royal Aerated Water Factory,
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S Vajiravelu Mudaliar, 310, Wall
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 Calcutta Publicity Service, 65/2A, Raja Rajbhalluv St., Calcutta.
 Central Calcutta Advertisement Coy., 50, Hidaram Banerjee Lane, Calcutta
 Central Publicity Service, 159B, Meekha Bazar Str., Calcutta
 D J Keymer & Co., Ltd., 4, Lyons Range, Calcutta, Ballard Estate, Bombay
 Economic Advertising Agency, 168, Mukhtaram Babu St., Cal.
 Eureka Publicity Service, 157B, Dhurrumtolla Street, Calcutta
 Expert Advertising Agency, 130, Cornwallis Street, Calcutta
 Express Publicity Service, 34A, Chive Street, Calcutta.
 Garrett & Garrett, 2, Commercial Bldgs., Chive St., Calcutta
 Ideal Advertising Agency, 54, College Street, Calcutta
 Mazumdar's Advertising Agency, 11, Guruprasad Ray Lane, Cal
 National Advertising Agency, Jadabpur, near Calcutta
 Orient Publicity Service, 2, Commercial Bldgs., Chive St., Calcutta.
 Publicity Society of India Ltd., 1, Waterloo St., Calcutta Branch at Bombay.
 Publicity Studio, 367, Upper Chitpur Road, Calcutta
 Raghunath & Co., Ltd., 2, Royal Exchange Place, Calcutta
 S. H. Moffatt, 13, British Indian Street, Calcutta.
 Sun Advertising Ltd., Gupta Buildings, 11, Esplanade East, Calcutta.
 Trades Advertising Company, 1B, Swallow Lane, Calcutta
 Universal Publicity Service, 89, Bechu Chatterjee St., Calcutta.

CENTRAL PROVINCES.

- C P. Advertising Agency, Kamania Gate, Jubulpore
 Hanumantha Rao, 1074, Second Mod Lane, Sitabaldi, Nagpur
 S. V. Gokhale, Mahajan's Chawl, Nagpur.

DELHI.

- B N Gupta, 106, Shradhanand Bazar, Delhi
 Overseas Publicity Co., Kucha Brij Nath, Chandni Chowk, Delhi
 Raja Jupiter & Co., Dariba Kalan, Delhi.
 Standard Publicity Service, Queens Road, Delhi.
 Upper India Advertising Agency, Karal Bagh, Delhi

INDIAN STATES.

- Central India Advertising Syndicate, 15, Bhingar's Street, Indore City, C I
 M S Gopalan, 4th Main Road, P O Malleswaram, Bangalore
 New Eastern Trading Co., Rajendra Road, Jamnagar
 Oza & Co., Kasaratta Road, Hyderabad, Deccan
 South Indian Advertising Agency, 13, Kilhari Rd., Bangalore

KARACHI.

- Jagtiani's Publications Co., 9, Caesar Castle, Garrikhata, Karachi
 Malany & Co., Bunder Rd., Karachi

LAHORE

- Allow Publicity Service, Rashid Road, Lahore
 Continental Advertising Co., Ltd., Beadon Road, The Mall, Lahore
 General Agency Office, Sultanpura, Lahore.
 Laurels Publicity Service, The Mall, Lahore
 Swastika Publicity Service, 17, MacLagan Road, Lahore

MADRAS CITY.

- Kalappan's Advertising Agency, 145, Sunkurama Chetty Street, Madras
 Modern Publicity Company, 187, Mount Road, Madras
 Modern Travelling Advertising Co., 186, Mount Road, Madras.
 Rao's Advertising Agency, P O. Box No 49, Madras
 Royal Advertising Agency, 17, Veerappan Str., G T., Madras
 Vasan's Advertising Centre, Krishna Bhavan, Vepery P.O., Madras.

Organise your business with hints from "Theory & Practice of Commerce & Business Organisation," Rs. 4. Industry Book Dept., Calcutta.

S P Parekh & Co., Newnham
Road, Karachi
MADRAS CITY.
N J Luxmi & Co., 2, Wall Tax
Road, Park Town, Madras

PUNJAB.
Hira Lal Mehra & Brothers,
Katra Jaimal Singh, Amritsar
Br —Delhi & Lahore

AERIAL TRANSPORT COMPANIES.

Dutch (K. L. M.) Air Service,
Java Bengal Line, Fl, Clive
Buildings, Calcutta
Himalaya Airways Ltd, New
Delhi
Imperial Airways Ltd, & Indian
Transcontinental Airways Ltd,
Finlay House, McLeod Road,
Karachi

Indian Airways Development Co.,
1, Rowland Road, Calcutta
Indian Air Survey & Transport,
Ltd, Dum Dum, Calcutta
Indian National Airways, Ltd, 16,
Govt Place East, Calcutta
Tata Air Lines, Tata Sons Ltd,
Aviation Dept., 24, Bruce Road,
Fort, Bombay

AGARBATTI MANUFACTURERS.

Handy Perfumery Mart, Daman-
walla Bldgs, Gamdevi, Bombay
M K Attar & Sons, Agarbatti
Factory, Pachhapur, Belgaum
Mahalaxmi Sugandha Karyalaya,
Kolhapur City
Mysore Agarbatti Co, 1, Madar
Sahid St, Bangalore City
Mysore Bijou Bin, 10, Arumugam

St., Kalasipalayam, Bangalore
City.
Mysore Probhat Perfumery
Works, 196, Avenue Road, Ban-
galore.
Sree Satyanarayan Parimal Fac-
tory, Jagamohan Palace Square,
Mysore

AGENTS, ADVERTISING.

ASSAM.
B Dutt, Paltanbazar, Gauhati.
BENGAL.
Darjeeling Popular Agency,
Mount Pleasant Rd, Darjeeling
Modern Advertising Agency, 11,
Sangattola Lane, Dacca
Rashen's Colhez, P94, Clive
Colony, Nager Bazar, Dum-
Dum, 24-Pargis
R P Dutt, 2, Sahmpur Road,
Dhakuria P O, 24-Pargis

BIHAR.
Behar Advertisers, Muzaffarpur
Behar Advertising Office, Naubat-
pur, Patna

BOMBAY CITY.
Advertising Agency, Pirbhoy
Bldg, 2, Princess Str, Bombay
Allied Advertising Association of
India, Commissariat Bldg,
231, Hornby Road, Bombay
B Dattaram & Co, New Shingne
Bldg, Girgaon, Bombay No 4
C Parikh & Co, 17, Elphinstone
Circle, Fort, Bombay.

Ind Advertising Agency, Prabhu
Bhuvan, Girgaon Back Road,
Bombay 4
J Walter Thompson Company 2,
Wittet Road, Bombay, 5, Bank-
shall St, Calcutta
L A Stronach & Co (India)
Ltd, Stronach House, Ballard
Estate, Bombay, Norton Bldgs,
Calcutta
National Advertising Service,
Exchange Building, Ballard
Estate, Bombay
Neasi Advertising Service, Ex-
change Building, Spiott Road,
Ballard Estate, Bombay.
Posting Publicity, Ballard Estate,
Bombay.

BOMBAY PRESIDENCY.
Asiatic Advertising Agency,
Bagaitkar, 465, Shanwar,
Poona
Cooper Bros, Napier Rd, Poona
Indian Advt Agency, Poona
Ramanlal Chunilal, Hajam Shary,
Broach
Sumanlal R Gandhi, Sangadia-
wad, Gopipura, Surat

Organise your business with hints from "Theory & Practice of Com-
merce & Business Organisation," Rs. 4. Industry Book Dept., Calcutta.

Oomarsee Kesowjee & Co., Post Box No. 1, Bombay. Head Office:—Cannanore. Br:—Calicut, Tellicherry & Mangalore.
Overseas Trading Co., 20, Jambulwadi, Off Kalbadevi Rd., Bombay.
Padamsji Kanji, 10, Masjid Bunder Road, Bombay.
Pitamber & Co., Sudama House, Wittet Rd., Ballard Estate, Fort, Bombay.
Shantikumar Narottam Mojarjee, Juhu, Via Santa Cruz
Tulsidas Khumpi, 46, Church Gate Street, Fort, Bombay.

BOMBAY PRESIDENCY.

Shah Bhagal Dalal & Co., Bilmora, Surat.

CALCUTTA.

Atlas Agency, 20, Strand Road, Calcutta
Banerjee & Co., 2/1, Ray Bagan Street, Calcutta.
Bysack's Landing & Shipping Agency, 26-A, Clive St., Cal.
Clive Shipping Agency, 102, Clive St., Calcutta.
Commercial Carrying Co., Ltd., 28, Pollock St., Calcutta.
Cox & Kings (Agents) Ltd., 5, Bankshall Street, Calcutta, McLeod Road, Karachi
Dhoot Brothers (Regd.), 63, College Street, Calcutta
G D Daga & Co., Daga House, 8, Canning St., Calcutta
General Trading Corporation, 11, Clive Row, Calcutta
George Waller & Co., 29, Dalhousie Square, Calcutta
Ghosh & Co., 25-B, Khudiram Bose Road, Calcutta. Br.—Khulna Stores—Hatibagan, Calcutta
International Shipping & Clearing Agency, Custom House, Main Building, Calcutta
M N Datta & Son, 176, Harrison Road, Calcutta.
Midland Transport Agency, 8, Dalhousie Square East, Cal
Search Light Clearing Agency, 19, Strand Road, Calcutta
Trikamdas Rowji Sons, 45-2, Wellington Street, Calcutta.

Upper India. Clearing & Shipping Agency, 2A, Mission Row, Calcutta.

DELHI.

Thos. Cook & Son, 4, Kashmere Gate, Delhi, Cook's Bldg., Hornby Road, Bombay, 4, Dalhousie Sq., East, Calcutta

INDIAN STATES.

G. Raghunath Mull, Hyderabad, Deccan. Br:—Fathergatti & Secunderabad.

H. C. Fernandez & Co., Calvetty Road, Cochin

Keshavilal Kalyanji Chhathar, Bedi Port, Jamnagar, Kathiawar.

P K. Pereira & Sons, Main Rd., Trivandrum, Travancore.

Transporting Co. of Cochin, Cochin

Varmah Company, Ernakulam, Cochin

KARACHI.

Baloo Singh & Co., Bunder Road, Karachi.

Kaikobad Pestonji Kakalia, Nico Road, Karachi

Karachi Landing and Shipping Office, Native Jetty, Karachi

M P Dastun & Co., Bunder Road, Karachi

Overseas Clearing & Transport Agency, Katiack Terrace, Machi Mian, Karachi

Premier Shipping and Clearing Co., Bunder Road, Karachi

S I & G, Fazul Ellahie, 2, Campbell St., Karachi.

LAHORE.

Eastern Express Co., Ltd., Charing Cross, Lahore, Bunder Road, Karachi

MADRAS CITY.

Binny & Co., (Madras), Ltd., 7, Armenian St., Madras

Chetty, V K. 38, Errabalu Chetty St., Madras

G N Sampathu Chetty & Co., 299, Esplanade, Madras

Govindji R Mehta, 1-94, China Bazar Rd., Madras

P. Holt & Co., P Box 237, Madras.

R Krishna & Co., 15, Seniamman Koll St., Tondiarpet, Madras.

Sugesan & Co., 109, Moore St., Madras

"Sketches of Indian Industries" discusses industrial situations and industrial ideals. Part I & II. Re. 1 each. Industry Book Dept., Calcutta

MADRAS PRESIDENCY.

Advertising Agency, Big Bazaar St., Trichinopoly.
 All India Advertising & Registration Agency, Agiahnam St., Erode.
 Express Publicity Co, Vizagapatam
 General News & Advertising Agency, West Gate, Madura.
 Madura Bill Posting Co, West Gate, Madura.
 P V Easwara Rao, 495, Hodgsonpet, Conjeeveram, Chingleput
 Pan's Advertising Agency, Attikadal, Koradacheri, S I Rly
 Southern India Travelling Advtg Co, Post Box No 41, West Gate, Madura City.

ORISSA.

Modern Advertising Service, Satabat, Cuttack

PUNJAB.

Advertising Emporium, Ludhiana.
 Asadulla Khan & Co., Basti Nau, Jullundur (Also printers)
 Bhalla Brothers, D A V College Rd, Rawalpindi
 Cosmopolitan Publicity Co, Sialkot City.
 Ghazi Trading Co., New Basti, P O Basti Buzar, Jullundur
 Jagindra Commercial Agency, (Govt. Regd.), Ludhiana.
 Jangra Commercial Agency, (Regd.), Estd. 1913, Ludhiana. (Also Agents for Industry).

AGENTS, FORWARDING, SHIPPING & CLEARING.

(See also Shipping Information).

BENGAL.

Maksud Ahmed Md., Strand Road, Chittagong.

BIHAR.

Sahoo Bhagwan Das, Birgunj, P O Raxaul, Dt Champaran

BOMBAY CITY.

Anglo-Indian Carrying Co, 5, Graham Road, Ballard Estate, Bombay, 103, Clive Street, Cal.
 B F Nagpal & Co, Masjid Bunder Road, Gaumukh Bhawan, Bombay.
 Grahams Trading Co, Ltd, Graham's Bldgs, Parsee Bazar St, Bombay.

National Advertising & Mercantile Agency, Commerce House, Ludhiana.

S. M Saled Batta & Co, Kasur
 Santiam Chopra & Sons, Kot Mohd. Amin Khan, Jullundur.
 Vaid Bros, Samloti, Kangra
SIND.

P. D Bhatia, Near Santdas Well, Rohri, Sind.

UNITED PROVINCES.

Allgaih Advertising Agency, Allgaih, U. P.
 Imperial Commercial House, Lucknow.

Indian Trading Co, 170, Johnstonganj, Allahabad

Kallash Advertising Agency, Lajka Bazar, Meerut City

Kamala Bhandari, 15A, Nazhabad, Lucknow

Oudh Advertising Agency, Pura, Fyzabad.

Padma & Co. Padma Bldg., Agia

Ramkrishna Publicity Service, Benares City

Reliance Advertising Bureau, Talaqmahal, Cawnpore.

Sagar Advertising Agency, 40-20, Godhulla South, Benares City.

Sharman Faticash & Co, Benares City

Swadeshi Advertising Agency, 53A, Civil Lines, Agra

Welcome & Co, Anath Bhaban, Cawnpore.

Grundlay & Co, Nicol Road, Ballard Estate, Bombay, 6, Church Lane, Calcutta

H J Amin & Co, Amarchand Building, Ballard Estate, Bombay

J K Dubash, Dady House, Churchgate St, Bombay

Jeena & Co, Gresham Bldgs, 45, Esplanade Road, Fort, Bombay.

Mackinnon, Mackenzie & Co, Ballard Estate, Bombay

Mansukhlal Atmaram Master, Sudama House, Witter Road, Ballard Estate, Bombay

National Transport Co, Wakefield House, Ballard Estate, Bombay

"Sketches of Indian Industries" discusses industrial situations and industrial ideals. Part I & II. Re. 1 each. Industry Book Dept., Calcutta

BOMBAY PRESIDENCY.

B N. Sathe & Bros, 436, Sadasiv Peth, Poona City.

D J Medora & Co, Dhun House, Ahmedabad.

G. G Oak & Sons, Kholgalli, Dhulia, W Khandesh.

H Desai & Co, Khadia, Golvad, Ahmedabad.

Jasraj Hargovinddas Shah, Shanti Bhavan, Viramgam, Ahmedabad.

Jayanilal Girdharilal Shah, Khadia, Raghasutaria Pole, Ahmedabad.

Jivanlal Premchand Shah, 842, Panchbhai's Pole, Ahmedabad (Also Income Tax agents).

K. S Joshi & Bros., 231, Patankar's House, 6th Lane, Dhulia, W. Khandesh.

Lala Chand Maganlal, Bordin Bazar, Viramgam, Ahmedabad.

M. R Bhatt, Broach

Mohanlal Bhalabhai & Co., Four Roads, Gandhi Road, Ahmedabad.

Nanalal V. B Zaveri, Kasur Mama's Chakia, Broach.

Nanoobhai J Shukla, Modi Fali, Viramgam, Ahmedabad.

Padam P D Gati & Co, Opp Railway Station, Ahmedabad.

T Venkatrao & Sons, Chief Agents (to Commonwealth Ass. Co, Ltd, Poona) for Karnatak, Extensions, Sangli.

V. V. Gole, Shaniwar Peth, Poona.

CALCUTTA.

Andrew Yule & Co, 8, Clive Row, Calcutta.

Bud & Co, Chartered Bank Bldgs, Clive Street, Calcutta.

D M Das & Sons, 28, Dalhousie Square, Calcutta.

Eastern Merchants, (Estd 1920), 14, Old Court House Lane, Cal.

Gangjee Sajun & Co, 11, Clive Street, Calcutta.

Gillanders Arbuthnot & Co, 8, Clive Str., Calcutta.

Hajee Ismail Sait, 25, Harinbari Lane, Calcutta.

Jaidme Skinner & Co, 4, Clive Row, Calcutta.

Maitland-Heriot & Co., 5, Clive Row, Calcutta.

Sen & Co, 10, Clive Row, Calcutta.

Turner Morrison & Co., Ltd., 6, Lyons Range, Calcutta.

CENTRAL INDIA.

S. R. Paiekh, Main St, Mhow DELHI.

G D Tandon, Chandni Chowk, Delhi.

INDIAN STATES.

Ishverlal Chimanlal & Co, Krishna Kunj, Race Course Road, Baroda.

K L Anjaneya Raja, "Circle View," Visveswaraipuram, Bangalore City.

N G Doshi, Rajkot Pura, Kathiawar.

Parry & Co., Cochin.

Pierce Leslie & Co., Ltd., Cochin.

T N Krishnamachary, Station Rd, Raichur, Hyderabad, Dn KARACHI.

H A Bhavani, Forbes Buildings, Karachi.

L R Bhatia & Co, Mulla Street, Karachi.

LAHORE.

Dina Nath Kouli & Coy, 18, Gowalmandi, Lahore.

MADRAS CITY.

Kartik & Co, 38, South Tank Sq, Triplicane, Madras.

Narayandas Girdhardas, Khoshaldas Gardens, Kilpauk, Madras.

MADRAS PRESIDENCY.

Esvier & Co, Vizagapatam.

Fairwoith & Co, Hampankatta, Mangalore, S. Kanara.

Gupta & Co, Agrabaiam St, Erode.

K. Vasudeva Rao, Oriental Agency, Erode.

Nanduru Ramkrishna Row, Powerpetta, Ellore, W. Godavari Dt.

Omersee Kesowjee & Co., Camp Bazaar, Cannanore. Import Office Post Box No 1, Bombay.

Branches.—Calicut, Tellicherry & Mangalore.

P S. Rajam, Salem.

Wilson & Co, Cocanada.

PUNJAB.

Ambalal Chhotalal Engineer, Chhoti Bazar, Daira, Falanpur, N. Gujrat.

Manufacture Pickles & Chutneys at Home. "Indian Pickles, Chutneys & Morabbas" explains the process. Industry Book Dept., Calcutta.

South Indian Exports Co, Ltd,
P. O. Box 37, Madras
Spencer & Co, Ltd, Mount Rd,
Madras
T A Taylor & Co, Ltd, Arme-
nian St, Madras

MADRAS PRESIDENCY.

Aspinwall & Co, Ltd, South Cot-
ton Rd, Tuticorin
Coimandel Co, Ltd, Vizagapa-
tam
English and Scottish Joint Co-
operative Wholesale Society
Ltd, Calicut, Malabar
I S & C Machado, Beach Road,
Tuticorin
K Coonhammad Kaya, Khan Sa-
hib, Ceylon House, Calicut
Madura Co, Ltd, Madura Br —

Tuticorin, Negapatam, Calicut,
Tellicherry and Tirvandrum
Nandagopal Chettiar, Pondicher-
ry.

Oomarsee Kesowjee & Co., Camp
Bazaar, Cannanore, Import
Office: Post Box No. 1, Bom-
bay, Br.—Calicut, Tellicherry,
Mangalore.

P A P Md Salihu Rowther &
Sons, Victoria Street, Tuticorin
Peirce Leslie & Co Ltd, Calicut,
Malabar

R M. Aiyam Pillai, Victoria
Extension Road, Tuticorin
Raman & Motha, Great Cotton
Road, Tuticorin

Ripley & Co, Bimlipatam
SIND.

Mohini & Co, Rohri, Sind

AGENTS, INSURANCE.

BENGAL.

Aswini Kumar Roy, Sadar Ghat,
Chittagong, (Bengal)
Indian Finance & National
Agency Syndicate Ltd, Malda
Sudhir Krishna Das, 2, Lakshan
Das Lane, Howrah
Upendranath Sen, Khulna

BIHAR.

H B Chandra, Patna.
Money Securing Co, Allah, Bihar.
Haridhar Prosad, Nand Keolay,
Bakshimaidan, P O Begumpui,
Patna

BOMBAY CITY.

C T Shah & Co, 12, Rampart
Row, Fort, Bombay

Chandulal Jivandas & Co, 32,
Dadyseth Agiary Lane, Bom-
bay 2

G. V. Patwardhan & Sons,
Yusuf Bldg, Churchgate Street,
Fort, Bombay

Dorab Bomanji Kapadia, C/o Mi
N. H. Katrak, Hirji Mansion,
Gowalia Tank Rd, Bombay.

Dwarkanadas Chhotalal Vakil, 45,
Apollo Street, Fort, Bombay

Girdharlal C Parekh, 23, Dr Wil-
son Street, Ghigaon, Bombay

Hoosenbhoy Abdoolabbay Lalljee
& Co, Standard Bldg, Hornby
Road, Fort, Bombay

J. C Setalvad & Co., Jehangir

Wadia Building, Esplanade Rd,
Bombay

James Finlay & Co, Chartered
Bank Bldg, Esplanade Road,
Bombay

K Jivraj & Co, C/o. The Vulcan
Insurance Co, Ltd, 51, Espla-
nade Road, Fort, Bombay,

M. F Goculdas & Co, Yusuf
Bldg, Churchgate St, Fort,
Bombay.

Ladbetter & Company, 11, Tama-
rind Lane, Fort, Bombay

M J. Shah, Lalsingh Bldgs,
Lohar Chawl, Bombay 2.

Mohan Sons & Co, 22, Apollo St.
Fort, Bombay 1.

Nandvadan Jhaverilal Gor, York
Building, Hornby Rd, Fort,
Bombay.

Oomarsee Kesowjee & Co., Post
Box No. 1, Bombay. Hd Office
Cannanore, Br —Calicut, Telli-
cherry & Mangalore.

Thomas & Co, 45-47, Apollo St.,
Fort, Bombay.

Thakordas & Co, 65, Esplanade
Rd, Bombay.

V. C Setalvad, C/o The Indus-
trial & Prudential Assurance
Co, Ltd, Jehangirwadia Bldg,
Esplanade Road, Fort, Bombay

Vithaldas P Reshamvala & Co,
1, Kumbhartukda, Bhuleswar
Rd., Bombay 4.

Manufacture Pickles & Chutneys at Home. "Indian Pickles, Chutneys & Morabbas" explains the process. Industry Book Dept., Calcutta.

E. T. McCluskie, Norton Buildings, Lal Bazar, Calcutta.

N. K. Sarkar, 10, Chowringhee Road, Calcutta.

Ram Surat Singh, 1-A, Sovaram Bysack Street, Calcutta.

Talbot & Co., Tower House, Chowringhee, Calcutta.

DELHI.

Raja-Jupiter & Co., Dariba Kalan, Delhi.

LAHORE.

Kartar Singh Khosla, Sareen Lane, Lahore.

Land Investment Co. Ltd., Charing Cross, Lahore.

MADRAS CITY.

Chakravarthi Co., 11, Mount Rd., Madras.

Madras Sales & Agency Co., 2, Singanna Naick St., G. T., Madras.

South Indian House & Estate Agency, 1-9, Francis Joseph St., Madras.

MADRAS PRESIDENCY.

A. Bapuraju, B T., Main Rd., Vizagapatam.

Mahomed Hashim Sait, Ghanon, Ootacamund, Nilgiris.

PUNJAB.

Tola Ram Manuja & Sons, Husain Agahi, Multan City.

UNITED PROVINCES.

Khan & Sons, 6, New Rd., Dehradun.

AGENTS, MANUFACTURERS'.

BENGAL.

Aswini Kumar Roy, Sadar Ghat, Chittagong, (Bengal).

B. Bank Madhabpasa, Barisal.

House of Representatives, P.O., Channuhami, Noakhali.

N. B. Ghosh & Sons, Meherpur P O., (Nadia), Bengal.

BIHAR.

Bajinath Biswanath, Bhagalpur City.

Dalvar Chemical Co., Dinapore Cantt.

BOMBAY CITY.

Chimanlal Desai & Co., Komaji Street, Bombay & 54, Bentinck St., Calcutta. Br.—Madras, Lahore, Delhi, Colombo, & Rangoon.

Frank Rose & Co., 211-219, Frere Road, Fort, Bombay.

G. Loucates & Co., Outram Road, Bombay.

G. S. Mahomed, Mahomed House, Samuel St., West, Bombay 3.

Gordhandas Desai & Co., Kermani Building, Sir P. M. Road, Fort, Bombay.

Haman & Co., Jambulwadi, East, Bombay.

Imperial Trading Co., 7-10, Elphinstone Circle, Fort, Bombay.

India International Co., Ready Money Mansion, Churchgate Str., Bombay. (Condensed purified milk).

Jehangir J. M. Poonmajee, G.P.O. Box No 20, Bombay.

Jose C. Rodriguez, 53, Jumna Bldg., Carnac Road, Bombay 2.

Kooverji Devshi & Co., Lohar Street, Bombay.

London Eastern & American Trading Co., 22, Humum St., Bombay.

M. B. Chikhal, P. O. Box No. 913, 5A, Haman St., Fort, Bombay.

Muller & Phipps (India) Ltd., Constructor Building, Niccol Road, Ballard Estate, Bombay;

Avenue House, Calcutta.

Omersees Kesowjee & Co., Post Box No. 1, Bombay. Head Office—Cannanore, Br.—Calicut, Tellicherry & Mangalore

R. Jafferally, 33, Jail Road, North, Bombay 3.

Rustomji Nowroji Bapasa, 10, Forbes Street, Fort, Bombay.

Seth Baldeoosahai Surajmal & Co., 19/23, Vitthalwadi, Kalbadevi, Bombay 2.

Siqueira & Son, 121, Fort Street, Fort, Bombay.

V. L. Gadekar, Khanderao Blocks, Girgaum Back Road, Bombay 4.

Vimalkant & Co., P. O. Box 3085, Bombay 3.

BOMBAY PRESIDENCY.

Harola Stationery Mart, Char Rasta, New Gate, Ahmedabad.

Want to Prosper in Business. Read "HOW TO DO BUSINESS." Re. 1.
INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

Dr. Gian Singh, M D, Opp Street
Sonian, Amritsar.
Nukalasni Sachar & Sons, Civil
Lines, Gujranwala
S. Gur Bhajan Singh Gill, Jaran-
wala, Lyallpur Dt
SIND.

Jhamatmal & Co, Hiraabad, Hyde-
rabad, Sind
P. D. Bhatia & Bros., Rohri,
(Sind).

UNITED PROVINCES.

B G Kacker, B Sc, 17/3, The
Mall, Cawnpore
Bagla Bhartiya & Co, General-
gunj, Cawnpore
D. Rai Jainy, Kahoo-Kothi,

Cawnpore.
E A Cline & Co, 30, Elgin Road,
Allahabad
Haji Mahboob Buksh Ehsan
Elahi, Neston Road, Cawnpore
Insurance Publicity Bureau,
Hardwar
J P. Govila, Manak Chowk, All-
garh
N. K Bhartiya, Shatrany Mohal,
Cawnpore.
Puri's Insurance Agency, 172-75,
Bazar Park, Lucknow
Ratilal B Modi, Civil Lines,
Cawnpore.
S. N Puri, Old Cantt Rd, Dehra
Dun.

AGENTS, LAND & ESTATE.

BENGAL.

Fort-Canning & Land Improve-
ment Co., Ltd., Canning Town,
24-Parga. H. O 59, Forbes St,
Bombay.

BOMBAY CITY.

Imperial Estate & Finance
Agency, 301, Churni Road, Post
Box No 3576, Bombay 4
Windgate & Co, 375, Hornby
Road, Fort, Bombay.

CALCUTTA.

Ballygunge Land & Loan Agency,
109, Rashbehari Avenue, Kali-
ghat P O, Calcutta.
British India Public Debt Collec-
tion Co., 5, Hastings St, Cal-
cutta
Calcutta Land Trust Ltd, 62,
Bowbazar St, Calcutta
David Sassoon & Co., Ltd., 4,
Lyons Range, Calcutta.

House, Estate and Finance Brokers,

Furnished or unfurnished Bungalows and Flats, suitable to
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Bungalows on Malabar and Cumballa Hills and Investments in
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Factory, are leased or purchased.

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seeking investments and advances should also
apply for terms and details to.—*

IMPERIAL ESTATE & FINANCE AGENCY,

Phone No 2857L

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P.O. BOX No. 3576.

Ismailjee Ahbhoy & Son, (Ferozeporwala), New Market Road, Karachi.

Mallik, Thadani & Co., Napier Rd., Karachi.

Phoenix Trading Company, Kutchery Road, Post Box 85, Karachi.

Ramani & Co, Khataoo Market No 1, Karachi.

T Motan Das & Co, Opp Boulton Market, Karachi.

T. S Thadhani & Sons, Marriot Road, Karachi, Br.—Lahore & Delhi.

LAHORE.

Bakhshi Ram & Co. Chah-Tillian, Wachhowali, Lahore.

General Agency Office, Sultanpura, Lahore.

H M. Chopra & Sons, Anarkali, Lahore.

Indian Distributors, 54, The Mall, Lahore.

Khanbhoy Trading Co., Sultanpura, Lahore.

M Ibrahim & Co. Anarkali, Lahore.

Maher Singh Sapuran Singh Chawla, West End Buildings, The Mall, P. O. Box No. 5, Lahore.

Parkash Brothers, MacLagan Rd., P.O. Box No 115, Lahore.

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Y. B. 41.

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- Bank of Mysore Ltd, P O Box No 37, Avenue Road, Bangalore City (Estd 1913) Br.—Arisikere, C & M Station, Bangalore, Channapatna, Chickballapur, Chickmagalur, Chintamani, Chitaldroog, Davan-gere, Harihar, Hassan, Kolar, Mysore, Oorgaum, Sagara, Shimoga, Tiptur, Tumkur, Sakinapur and Fort, Bangalore.
- Bank of Rangoon, Ltd, Rangoon
- Barclays Corporation (Bank) Ltd, Beharipuri, Bareilly, Br.—Budaun, Haldwani, Pilibhit, Shahjahanpur, Sambhal and Darzi Chowk, Bareilly, Amroha
- Beawar Central Co-operative Bank Ltd, Beawar, Rajputana
- Benares Bank Ltd, Agra, Br.—Bhandia House, 25A, Swallow Lane, Calcutta
- Bengal Bank Ltd, Oriental Buildings, 2, Clive Row, Calcutta
- Bengal Central Bank Ltd., 86, Clive St., Calcutta, Branches—Harrison Road, (Cal), Gauribari Lane, (Cal), Shambazar, (Cal), & Dacca
- Bhadiak Central Co-operative Bank, Bhadiak
- Bharat National Bank Ltd, Delhi
- Bharata Bank Ltd, Calcut, Malabar
- Bihar & Orissa Provincial Co-operative Bank Ltd., Bankipore, Patna
- Bikaner State Savings Bank, Setla Buildings, Bikaner
- Bombay Provincial Co-operative Bank Ltd, Apollo St, Bombay.
- Broach Co-operative Bank Ltd, Shantikunj, Lallubhai's Chakra, Broach
- Burma Provincial Co-operative Bank Ltd., Rangoon
- C P & Berar Provincial Co-operative Bank Ltd, Nagpur City.
- Calcutta City Bank Ltd., 11, Hare St., Calcutta. Br.—Bellaghata Main Road, Calcutta.
- Calcutta Commercial Bank Ltd., 14, Clive St., Calcutta. Br.—Manicktala Market, Calcutta and Bhagalpur (Behar).
- Calcutta National Bank Ltd, 3 & 4, Hare Street, Calcutta. Br.—Serampore, Sheoraphuli & Kidderpore
- Calcutta People's Bank Ltd, 12, Dalhousie Sq., East, Calcutta.
- Calcut Bank Ltd., H.O. Calcut. Br.—Tellicherry, Cochín, Pal-

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Hyderabad (Deccan), Hyderabad (Sind),
Indore, Jalgaon, Jubbulpore,
Karachi, Katni, Khamgaon, Khandwa,
Larkana, Mandvi (Bombay), Nadiad,
Nagpur, Nanded, Nasik, Poona,
Poona City, Poindandar, Raipur,
Rajkot, Sandhurst Road, (Bombay),
Secunderabad, Sholapur, Sukkur,
Surat, Wardha, Yeotmal, Eastern Area
Calcutta, Asansol, Bhagalpur, Burma Bazaar
(Calcutta), Chandpur (Tipperah),
Chhapra, Chittagong, Clive Street, (Calcutta),
Cornwallis Street, (Calcutta),
Cuttack, Dacca, Darbhanga, Darjeeling,
Dhanbad, Dibrugarh, Gaya, Howrah,
Jalpaiguri, Jamshedpur, Muzaffarpur, My-
mensingh, Naraingunj, Park Street
(Calcutta), Patna, Pune, Shillong,
Northern Area
Abbottabad, Abohar, Agra, Ajmer,
Aligarh, Allahabad, Ambala Cantonment,
Ambala City, Amritsar, Bareilly, Benares,
Bulandshahr, Cawnpore, Dehra Dun,
Delhi, Etawah, Farrukhabad, Ferozepore,
Fyzabad, Gajia, Gwalior, Hathras,
Jaipur, Jhansi, Jullundur, Jodhpur,
Kasur, Lahore, Lucknow, Ludhiana,
Lyallpur, Meerut, Montgomery, Moradabad,
Multan, Murree, Mussoorie, Muttra,
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Nowshera, Peshawar Cantonment,
Peshawar City, Quetta, Rampur,
Rawalpindi, Saharanpur, Sargodha,
Sialkot, Simla, Sitapur, Srinagar, (Kashmir),
Ujjain, Southern Area
Madras, Adoni, Alleppey, Bangalore,
Bellary, Berhampore (Ganjam),
Bezawada, Calicut, Cocanada,
Cochin, Coimbatore, Cuddalore, Cuddapah, El-

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Industrial Bank of Western India, Mirzapur Road, Ahmedabad

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Jwala Bank, Jwala Building, The Mall, Agra

Karachi Bank Ltd, Bunder Road, Karachi

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Comptoir National D'escompte de Paris, 21, Bruce Street, Fort, Bombay

Continental Bank of Asia Ltd., 102/1, Clive Street, Calcutta

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Co operative Credit Society Ltd., Gauhati, Assam

Co operative Land Mortgage Bank, Comilla

Co operative Land Mortgage Bank, Mymensingh

Co operative Urban Bank, Berhampur, Ganjan Di

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Dacca Federal Bank Ltd, Victoria Park South, Dacca

Deshabandhu Palisanskar Bank Ltd, Sylhet. Br —Ajmiganj, Sylhet

Dawsons Bank Ltd, Head Office, Payon, Burma, Branch —518, Merchant Street, Rangoon

Desh Bank Ltd, Durgacharan Road, Ambala Cantt

Devanga Bank Ltd, Jumma Masjid Road, Bangalore City.

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 Radha Ramon Pustakalaya, Balu Bazar, Cuttack
 Utkal Book Agency, Ranihat, Cuttack.

PUNJAB.

Adarsha Granth-Mala Office, Multan City
 Atlas Trading Co, Karmon Deorhi, Amritsar (Code Books).
 Attar Chand Kapur & Sons, Ran Bazar, Sargodha
 Attracto Office, Bazar Purana, Ludhiana.
 B Mohan Singh Vaid & Sons, Tarn Taran, (Punjab) Br.—Chawal Mandi, Amritsar.
 Barul Ketab Sulemani, Ross, Dt Hissar.
 Book Depot Talef-o-Ishaat, Qadian, Gurdaspore
 D. R Suraj Balram Sawhney, Bazar Talawaran, Rawalpindi
 English Book Dept, Wazirali Buildings, Ferozepore

Fono Book Agency, 1 & 2, U. F. The Mall, Simla.

Handa Bros, Sialkot City.

Hindi Ratnakar Pustakalaya, No. 11, Ludhiana.

Indian Army Book Depot, Daryaganj, Jullundur City.

J. Ray & Sons, Edwards Road, Rawalpindi. Br —Lahore and Murree.

Kalseys Singh Company, 1, Kalsey Buildings, Amritsar.

L. Ramji Dass, Ambala City.

Lahb Singh & Sons, Mai Sewan, Amritsar.

M Mohd. Yusuf, Fatehabad, Hissar.

M Muzaffar Din & Sons, Bazar-ka-Darwaza, Sialkot City.

Magazine & Book Supply Agency, Ferozepore Cantt

New Book Depot, The Mall, Simla.

New School Supply Book Depot, Malakwal (Gujrat). Br —Lahore, Miani (Shahpui).

Punjabi Agency, Tarn Taran.

Punjab Educational Stores, Railway Road, Kasur

Sarwickjee Printing Press, Katra Ramgarhman, Amritsar

Sanatan Dharam Labrary, Lyallpur City.

Swadeshi Bhasha Pracharak-Agency, Tarn Taran, Amritsar.
 Tek Chand Lakshmi Chand, Ambala City.

Uttar Chand Kapur & Sons, Anarkali, Lahore

Victoria Book Depot, Dalhousie Road, Rawalpindi.

RAJPUTANA.

Popular House Ltd. Beawar, (Rajputana) (Also Stationery).

SIND.

Bhojraj Motumai, Sukkui, Sind.
 Dayaldas T Khilani, P. O.

Bhuria, Sind

Gahimal & Co, Shroff Bazar, Sehwan, Larkana, Sind

Khilan Bros, P O Tando Adam, Sind (Astrological Books).

Mandly Book Depot, Shroff Bazar, Sehwan, Larkana, Sind.

Mukhdum Mohd. Hasan Sahib Sidiki, Kazi St., Sehwan, Larkana, Sind

MANUFACTURE SOAP? READ "MANUFACTURE OF SOAP."
INDUSTRY BOOK DEPT., SHAMBHAR, CALCUTTA.

Madras News Agency, 183, Mount Road, Madras, Branch —7, Brigade Road, Bangalore
 P. Rama & Co., 54, Pycrofts Rd., Triplicane, Madras.
 P. Varadachary & Co., 8, Lingichetty St., Madras.
 Pioneer Book Depot, Royapuram, Madras
 R Venkateswar & Co, Loane Square, Madras.
 Ranga Raju & Bros., "Juganadha Baugh," Saedapet, Madras
 Rochouse & Sons, 292, The Esplanade, Madras.
 S Ganesan, Pycrofts Rd., Triplicane, Madras.
 S. Muthy & Co., Thambu Chetty St., Madras.
 S. Vas & Co, Newstun, P.H. Rd., Kilpauk, Madras
 Srinivasa Varadachari & Co., 190, Mount Road, Madras
 Tagore & Co, Esplanade, Madras.
 Theosophical Publishing House, Adyar, Madras.
 Thomson & Co., Broadway, Madras.
 V. Ramaswamy Sastrulu & Sons, 292, Esplanade, Madras
 Vaman & Co., 61, Elephant Gate St., Sowcarpet, G.T., Madras.
 Y. Narayan, 364, Esplanade Row, Madras.

MADRAS PRESIDENCY.

A Krishnamurthy & Sons, Main Road, Vizagapatam
 A. Puvushkhma Mudhalai, Arni, N. Arcot.
 A R. Sivanandan, Raja Street, Coimbatore.
 Adarsha Grantha Mandali, Elamuru P O, Kistna Dt
 Agraharapu Satyanarayana, Main Road, Vizagapatam
 Andhra Law House, Cocanada
 Ariaponty & Sons, Duplex St., Pondicherry.
 Aryan Book Depot, Rajahmundry, Godavary
 B G Visvanatha Iyer, Agasthya Jothishasala & Vaidyasala, P O Budalpur, Tanjore
 Bharati Bhandar, Aska, Ganjam Book Agency, Kothavalavadi, Trichinopoly, S I
 C S Dikshadar & Co, Mutt St., Kumbakonam, S I R

Cannanore Publishing House, Cannanore, Malabar.
 Deccan Publishing House, Hukur Road, Calicut.
 General Book Depot, Bezwada, Kistna.
 Gupta Bros, Main Road, Vizagapatam. (Also Stationers).
 Hindustan Publishing Co Ltd, Rajahmundry, S I
 I. Punniiah & Co, Veeran ki Lock, Kistna
 K. Govindam & Co, Bezwada, Kistna
 Kuchi Narasimham Pantulu, B.A, Kothapeta, Pithapuram, Godavary.
 Lakshman Prasad & Co, Pondicherry.
 M S Sastry & Sons, P O Melupaka, Yellamanchili Tq., Vizag.
 Maruthi Ram & Co, Bezwada, Kistna.
 Modern Book Company, Boddu Ramayyagari Upstair, Sitharamaswamy Temple Ward, Vizagapatam
 Pai Bros, Hampankatta, Mangalore, S. Kanara.
 R. M. Veeia Pillay, Negapatam, Tanjore
 S Goodalingam Pillai, Ruthu Mandalam, Madura
 S. R Anjaneya Book Dept, Bezwada, Kistna
 Saradha Vilas Book Depot, Negapatam, Tanjore.
 Saraswathy Book Depot, Bezwada, Kistna
 Seiwel Co, Commercial Road, Ootacamund, Nilgiris
 Stationery Mart (Regd.), Guntur.
 Sundari Ram & Co, Bezwada, Kistna
 Tagore & Co, Tiruvarur, S I
 Times Modern Mart, Melitu St., Salem.
 V. Rama & Co, Ellore, W Godavary.
 V S Swaminathan, West Tower St., Madura
 Venkat Ram & Co, Bezwada
 Vinayagam & Co, Negapatam, Tanjore
 Vyasa Kuteeram, Melupaka, Yellamanchili, Vizagapatam. (Telugu Books).

Manufacture Tobacco, Snuff, Spiti, Zarda, etc., Read Indian Tobacco & Its Preparations Re. 1/8. Industry Book Dept., Shambazar, Calcutta.

Mutro Lal Chandu Mal, Ram-
bazar, Meerut.
N. C. Seth, Hospital Road, Agra.
Nagar School Book Depot, Tanda,
Fyzabad Dt.
Nand, Kishore & Bros., Chowk,
Benares City.
Nandan Trading Co., Mai Than,
Agra.
Narayan & Co., Meston Road,
Cawnpore.
National Printing House, Khair
Nagar Gate, Meerut, U. P.
North India Christian Tract and
Book Society, 18, Olive Road,
Allahabad.
P. Beharilal Gauri & Sons, Main-
puri.
P. C. Dwadash Shreni & Co.,
Aligarh.
P. D. Gooba & Sons, The Mall,
Cawnpore.
P. Mahesha Nand Sharma &
Sons, Nandprayag, Garhwal.
Pati & Company, Soutergunj,
Cawnpore.
Prakash Agency, Budhana Gali,
Meerut City.
Prakash Educational Stores, Near
Tahsil, Meerut City.
Prayabha School Book Depot, 18,
Aminabad Park, Lucknow.
Prem Pustakalaya, Phulatti
Bazar, Mathan, Agra.
Provincial Book Depot, Chawk,
Allahabad.

Ram Charanlal Agarwala, Amina-
bad Park, Lucknow
Ram Krishna Pubhenty Service,
Benares City.
Ram Prasad & Bros., Etawah.
Ram Swarup Gupta, Bharti
Bhawan, Achal Tank, Aligarh.
S. J. Singh & Co., General Ganj,
Muttra.
Sahitya Ratna Bhandar, 53A,
Civil Lines, Agra. (Hindi
Books).
Sahitya-Ratna Sala, Chhaibihari-
lal Bajaz, Namak Mandi, Hath-
ras.
Sahg Ram & Sons, Bara Bazar,
Aligarh.
Sampson William Co., 127, The
Mall, Cawnpore.
School Book Depot, Lala Ka
Bazar, Meerut City.
School Book Stores, Akbarpur,
Fyzabad.
Udyog Pustak Bhandar, Pura,
Fyzabad.
Universal Book House, Allahabad.
Universal Literature Co., Nazra-
bad, Jopling, Mart, Lucknow.
University Publishing House,
Agra.
Upper India Publishing House
Ltd., Literature Palace, Lucknow.
Vedic Pustakalaya, Maithan,
Agra.
Valdya Mandir, P. O. Ramnagar,
(Benares State).

BOOTS & SHOES MANUFACTURERS & DEALERS.

(Also see Rubber Goods Manufacturers).

AJMER-MERWARA.
Boot House, Madar Gate, Ajmer.
Kistoomal & Sons, Ajmer.
Osman & Co., Kaiserganj, Ajmer.

BALUCHISTAN.
Head & Footwear Co., Bruce
Road, Quetta.

BENGAL.
Bata Shoe Co., Ltd., Bata Nagar,
24-Parga, Calcutta Office: Room
160, Grand Hotel.

Pioneer Shoe Stores, Rangpur.

BIHAR.
Royal Shoe Factory, Ranchi.

BOMBAY CITY.
Alliance Boot House, Wastlamull
Building, Grant Road, Bombay.

J. J. Suratwala & Sons, Bhulash-
war Road, Kumbhar Tujda, Bom-
bay 4.

Moosa Bros, Patka Mansions,
Bhendy Baazr, Bombay.

BOMBAY PRESIDENCY.
Shamjibhai & Gordandas, Kan-
pith, Surat.

CALCUTTA.
A. B. Sadik Bros., 10, Lower Chit-
pur Rd., Calcutta.

Bengal Tanning Co., 31/14, Lower
Chitpur Road, Calcutta.

Bhowanipur Churma Silpa, 164-3,
Russe Road, Calcutta.

D. G. Punjab Tannery, E. 73,
College Str. Market, Calcutta.

POULTRY FARMING. A handbook on Poultry Farming and Duck
Breeding. Price As. 1. INDUSTRY BOOK DEPT., Shambazar, Calcutta.

School Book Depot, Market Road,
Sehwan, Larkana, Sind.
Sidiki Book Depot, Sehwan, Lar-
kana, Sind.

UNITED PROVINCES.

Abdul Baqi & Co, Mohallah
Askarganj, Gorakhpur, U P
(New & Second-hand Books).
Advani & Co, The Mall, Cawn-
pore.
Agra Book Depot, Hospital Rd.,
Agra
Agra Publishing House, Agra.
Agiawal Bros & Co, General-
ganj, Cawnpore
Ajodhya Prasad Bhargava, Fateh-
ganj, Lucknow.
Ali Bros, Aminudaulah Park,
Lucknow.
Arya Publishing Depot, Phulatti
Bazar, Agra
Arya Pustakalaya, 107, Sipad
Bazar, Meerut.
Arya Sahitya Sadan, Pentkheia
Khandanli, Agra.
Arya Samaj Mandir Library,
Muttra
Bajunath Prasad Tandon, Jalal-
pur, (Fyzabad)
Bharat Dharma Syndicate Ltd,
Station Road, Benares
Bhardwaj & Co, Benares City.
Bhaigava Book Depot, Chowk,
Benares City
Bhargava School Book Depot, 15
& 16, Aminabad Park, Lucknow
Chaturvedi & Sons, Sasni Gate,
Hathias
Chaudhri Brothers, Banda.
Chaudhury & Sons, Benares
City Book House, Meston Road,
Cawnpore
Deopal Gupta, Bulandshah
Dharma Diwakar Pustakalaya,
Bandhnu Sasni, Aligarh
Dum Dum & Co, (Regd), Hos-
pital Road, Agra
Eastern Publishing (India) Co,
Hardwar.
Educational Book Depot, Katra
Road, Allahabad
English Book Depot, Agra.
Equitable Literature Home,
Dulari Bhawan, 2, Lakshmi
Road, Dalanwala, Dehra Dun,
Ganesh Dass & Co, Chowk,
Benares.

Ganesh School Book Depot,
Chowk, Fyzabad.
Ganga Pustakamala Karyalaya,
36, La Touche Road, Lucknow.
Gautama Brothers & Co, Meston
Road, Cawnpore.
Gaya Prasad & Sons, Agra
General Book Agency, Rasalganj,
Aligarh.
Gita Press, Gorakhpur.
Goel's Friends Bookstall, The
Mall, Cawnpore.
Gopal Datt Joshi, Lala Bazar,
Almora.
Haji Mohammed Said & Sons,
Majidi Press, Patkapur, Cawn-
pore.
Haridas & Co, Ganga Bhaban,
Muttra
Ideal Book Depot, Rajpur Road,
Dehra Dun.
Indian Army Book Depot, Dayal-
bagh, Agra
J B Mathur & Sons, Wellesley-
ganj, Mirzapur.
Jnanamandal, Kabichawra, Be-
nares City.
Kackai Bios, Phulatti Bazar,
Agra
Katyayani Publishing House, 47,
Misser Pokhara, Benares City
Kitab Sagai, (Book Emporium),
Dehra Dun.
Kitabistan, 17A, City Road, Alla-
habad
L Kidar Nath & Sons, Meerut
Lakshmi Book Depot, 589, Yahia-
pur, Allahabad City.
Lakshmi Narayan Agarwal, Hos-
pital Road, Agra.
Lucknow Bookstall, Huzratganj,
Lucknow
Lucknow Commercial Agency,
25, Aminabad Park, Lucknow
Lucknow Publishing House,
Lucknow.
Maheshwari Book Depot, Hospital
Road, Agra. Est. 1932.
Medical Talk Publishing & Co.,
Muttra
Modern Book Depot, Subzumandi,
Agra
Mool Chand & Bros, Fyzabad
Mukundadas Gupta & Co, Pustak
Bhaban, Chowk, Benares
Muslim Book Agency, Khairna-
gar, Meerut City.

MANUFACTURE SOAP? READ "MANUFACTURE OF SOAP."
INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

Calcutta Boot House, Gujranwala.
Globe Shoe Co., Amritsar.
Iqbal Boot House, Sheikhpura.
Kadisha & Co., Kangra
L. Foogy & Co., The Mall, Murree
Sahny Muslim Boot House, Sar-
godha.

UNITED PROVINCES.

Alen Footwear Co., Sader Bhatti,
Agra.
Amin Boot House, Shoe Market,
Agra.
Anglo Indian Boots Trading Co.,
Nai Mandi, Agra.
Army Boot & Equipment Factory,
Cawnpore.
Baluja Chappal Co., Meston Road,
Cawnpore.
Baluja Footwear Co., Hing ki
Mandi, Agra
Bareilly Boot House, Shoe Mar-
ket, Agra
Bengal Footwear Co., Sader
Bhatti, Agra
Budhoo Salamat Ullah, Maunath
Bhanjan.
Comrade Shoe Co., 55, Shoe Mar-
ket, Agra.
Deibar Shoe Mfg. Co., E45, Civil
Lane, Agra
Dickson Footwear Co., Dickson
Bldg., Near Shoe Market, Agra
Emporium Steam Boot & Shoe
Factory, No 1, Olia Road, Agra
Fankson & Co., Mussooree.
Free-fit Shoe Co., Abkari Road,
Agra.
Himalaya Chappal Co., La Touche
Road, Cawnpore
Imperial Boots Works Coy., Ghali-
pura, Agra. Prop.—Shamsul
Kamar
Jailhur-Rahman Mohd Qasim,
Bijnor
Kailash Chappal Company, Halsey
Road, Cawnpore.

BOOT POLISH MANUFACTURERS.

Agia Chemical & Pharmaceutical
Works, Agra.
Alfa Trading & Manufacturing
Co., Cawnpore
Arya Chemical Works, Krishna-
gar, Nadia.
Banga Luxmi Chemical Works,
Ghutia Bazar, Hooghly.
Bengal Chemical & Pharmaceuti-

Karimullah Habibullah, Bijnor.
Kishore Boot House, Kanauj.
Kohinoor Footwear Co., Agra.
Krishna Boot House, Sitapur.
London Shoe Factory, Agra
Lucknow Boot & Shoe Factory,
25, Nazirabad, Lucknow
Matchless Footwear Co., 100, Shoe
Market, Agra
Maulabaksh Qasim Ali, Maunath
Bhanjan.
Md Ashiq Abdusalam, Moh Pun-
jabian, Nagina
Md. Kamil Mohammad Yahya,
Azamgarh
Meerut Shoe Factory, Khair
Nagar Gate, Meerut
Model Industries, (Regd.), Dayal-
bagh, Agra.
North West Tannery Co., Cawn-
pore.
Prova Commercial House, Parade,
Cawnpore.
R M S Footwear Co., Nai ki
Mandi, Agra
Rahat Boot Co., Nazirabad, Luck-
now.
Ram Nair Lal & Sons, Pasal-
hatta, Mirzapur.
Regal Footwear Co., Drummond
Road, Agra.
Regular Footwear Co., Punja
Madarsa, Agra.
Rizvi Boot & Shoe Co., Nazira-
bad, Lucknow.
S C Chatterjee & Co., Chatterjee
Bldg., Lucknow.
Sd Md Naseeruddin Ahmad,
"Sumna" Nihtaur, Dt. Bijnor
Shahganj Shoe Factory, 400 Raza
Manzil, Agra.
Wazir Shoe Factory, Agra
Wazirpura Shilpa Ashram, Wazir-
pura, Agra
Zaffarul Haq, Etah.

cal Works, Ltd., 94, Chittaran-
jan Avenue, Calcutta. (Paduka).
Bengal Industrial Co., 21, Gopal
Ch Bose Lane, Calcutta. ("Bi-
son" Brand).
Bengal Products (1932) Ltd., 27,
Naukeldanga Main Road, Cal-
cutta ("Moochi" Brand).
Benjo Manufacturing Co., 931,
Rampart Row, Karachi.

INDIA'S FOOD PROBLEM: A Popular handbook series. As. 4.
INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

Inam Shoe Store, 18, Lower Chitpore Road, Calcutta.
 Kamal Bros., Ltd., College Street Market, Calcutta
 Leather House, E. 85, College Str Market, Calcutta Factory.—
 23, Khairu Lane, Calcutta
 Natabar Das, 153, Upper Circular Road, Rajabagan, Calcutta
 New Punjab Tannery, 96, Ashutosh Mukherjee Road, Calcutta,
 Sadake Shoe Factory, 24, Lower Chitpur Road, Calcutta.
 United Friends & Co., 1, Cornwallis St, Calcutta
 Young & Co, 44, Cential Avenue, Calcutta

CENTRAL PROVINCES.

Kayum Bros, Resy. Rd, Nagpur
 Kedarnath & Co, Agent "Flex"
 Shoes & Boot & Shoe Factory,
 Anandheo, Jubbulpore.

DELHI.

Baluja Boot House, Chandni Chowk, Delhi.
 Baluja Shoe Co, Connaught Place, New Delhi
 Madras Chappal Stores, Chandni Chowk, Delhi.
 Nikunth Industries Ltd., Daryaganj, Delhi.
 Pioneer Boot House, Chandni Chowk, Delhi.
 Society Footwear, New Delhi,
 Swadeshi Shoe Factory, Billimaran, Delhi,
 Syed Shoe Factory, Narsarak, Delhi

INDIAN STATES.

Abdul Salem & Sons, Sayyaji Rao Road, Mysore.
 Bharat Boot House, Outside Kote Gate, Bikaner
 Chavda Boot House, Mochi Bazar, Morvi, Kathiawar.
 Gomiah & Sons, Mysore Bank Bldg, Mysore
 Jethalal Meghji & Sons, Saddar Bazar, Rajkot, Kathiawar.
 Lahore Boot Stores, Johri Bazar, Jaipur City
 Md. Fazil & Sons, Chikmagalur, Mysore
 Royal Boot Factory, Market, Sayyaji Rao Road, Mysore.
 Vakil Boot House, Outside Kote Gate, Bikaner

KARACHI.

Abdul Hussain Ismailji, Napier Road, Karachi (Also Saddle, Harness).
 Bhag Chand & Co., Bunder Road, Karachi.
 British Boot Mart, Elphinstone St, Karachi.
 Harilal Tharubhai, Elphinstone Street, Karachi.
 Head & Foot Wear House, Elphinstone St, Karachi.

LAHORE.

Bhalla Shoe Co, Anarkali St, Lahore. (Flex Agts.); Also Cawnpore and Calcutta
 Lahore Boot House, The Mall, Lahore

MADRAS CITY.

Akbari & Co, Broadway, Madras.
 Alex Hussain & Co., 6, Stringers Street, G T Madras
 Babu Jagannath Bros, Perambur Barracks, Madras,
 Kareem Shoe Mart, 314, China Bazar, Madras
 Kasim Ali Company, 12/13, China Bazar, Madras
 M. C Karim & Co, 81, Iya Mudaly St, Chintadripet, Madras

MADRAS PRESIDENCY.

Dasarpuram Leather Works, Dasarpuram, Tinnanur R. S., Chingleput Dt
 Habibson & Co, Commercial Rd, Ootacamund, Nilgiris
 Meera Moideen & Co, Big Bazar Road, Palghat, Malabar.

N. W. F. PROVINCE.

Gobind Boot House, Haripur.
 Hazara City
 Gulsham Boot House, Haripur,
 Hazara City
 Hussain Bux, Haripur, Hazara City

ORISSA.

G. Nagabhusan, Bata Shoe Store, Chaudhury Bazar, Cuttack.
 Utikal Tannery & Jali Bros, Bahu Bazar, Cuttack

PUNJAB.

Akhuon Brothers, Chaura Bazar, Ludhiana
 Attar Chand Gian Chand, Sargodha (Flex Boot)
 Bharat Boot House, Sheikhpura,

POULTRY FARMING. A handbook on Poultry Farming and Duck Breeding. Price As. 4. **INDUSTRY BOOK DEPT., Shambazar, Calcutta.**

BRASSWARE MANUFACTURERS.**BENGAL.**

Kristo Lal Doss and Satya Kin-
kar Doss, Bankura
R Kerr, Bankura (Also Bell-
metal).

BIHAR.

Bengal United Engineering
Works Ltd., Katrasgarh.

BOMBAY CITY.

Alcock Ashdown & Co., Ltd.,
Mazagaon and Carnac Bunder,
Bombay.

Empress Iron & Brass Works,
Connaught Road, Parel, Bom-
bay.

Ochhayal Chhotalal & Co., 207-
209, Nagdevi Street, Sadaria
Bazar, Bombay.

Pohoomull Brothers (India), 275,
Hornby Road, Bombay.

BOMBAY PRESIDENCY.

Nanalal Kansara, Kapadwan,
Kaira.

Pragn Nanji Desai, Near Moti
Hamam, Ahmedabad (Also
Crucibles).

CALCUTTA.

B. C. Chatterjee & Co., 10, Harri-
pal Lane, Calcutta.

Britannia Building and Iron Co.,
Ltd., Norton Bldgs, Calcutta

Calcutta Brass Goods Mfg. Co.,
227, Manicktala Main Rd., Cal

Chunilal Hemraj, 70, Clive St.,
Calcutta

East Bengal Engineering Works,
2, Rustomjee Parsee Rd., Cal.

S. A. Hakim Fakhruddin, 70,
Lower Chitpur Road, Calcutta

S. C. Kundu & Sons, 50, Clive
Street, Calcutta.

Sashi Bhusan Provapada De, 5,
6, Tower Block, College Street
Market, Calcutta

Thermic Steel Co., Ltd., C5, Clive
Bldgs, 8, Clive Street, Calcutta

DELHI.

Basheshwar Nath Bishenswaroop,
Chowri Bazar, Delhi

Bhagwan Dass, Jagan Nath,
Chandni Chowk, Delhi

G. C. Sygal & Co., Chandni,
Delhi.

Sri Ram & Sons, Chandni Chawk,
Delhi.

INDIAN STATES.

Barmamma, Chikmangalur, My-
sore.

Bujeyal Lakshmi Chand, Tripoha
Bazar, Jaipur City.

Chauthmal Kajormal, Tripoha
Bazar, Jaipur City.

Chhagan Madhavji, Panchhatdi,
Junagad, Kathiawar.

Mahim Ram Pertap, Tripoha
Bazar, Jaipur City.

P. M. Allabux & Co., Ajmer Rd.,
Jaipur City

Rajkot Brass Works, Rajkot Pura,
Kathiawar.

Roop Chand Benarsi Lal, Najba-
bad

Sheojham Ramkunwar, Tripolia
Bazar, Jaipur City.

KARACHI.

Bombay Brass Factory, Bunder
Road, Karachi

MADRAS CITY.

Richardson & Cruddas, 1st Lane
Beach, Madras.

MADRAS PRESIDENCY.

E. Balaguruva Chetty & Son,
Bazaar St., Erode.

N. L. Venkata Krishna Paller &
N. R. Lekshman Iyer, Big Ba-
zar, Palghat.

N. S. Subbarama Iyer, Big Bazar,
Palghat.

S. Gopalsamy Chetty, Bazaar St.,
Erode.

V. R. Rungiah Chettiar, Palghat.

ORISSA.

Bhupatram Mahabir Prasad, Mar-
wari Para, Sambalpur.

Jainarain Tilok Chand, Marwari
Para, Sambalpur.

Parsuram Rashbehari Sahu, Kan-
saripara, Sambalpur.

PUNJAB.

Amin Chand Bhole Nath, Tanda
Road, Jullundur.

Banarsi Shah Charan Singh, Guj-
ranwala. (Brass Cocks and
Strainers).

Bhojraj Duli Chand, Moga Tahsil
Gangaram Thakardas, Banga.

Himat Singh Jagan Nath, Pan-
pat.

Kharaiti Ram Ramsaran Das,
P. O. Nurpur, Kangra.

THE SPHERE OF TEA: An exposition of the cultivation, Manufacture
and Trade of Tea in India. R. 3. Industry Book Dept., Calcutta.

Chemical Association, (Calcutta),
Ltd., 55, Canning St., Calcutta.
(Whytal & Crocol).
Everest Boot Cream Co, 79, Bad-
shahi Mandi, Allahabad,
Himani Works, 59, Belgachia Rd.,
Calcutta. (Mayna Brand).
Industrial Research House, Alla-
habad.
Industrial Works, Sikandrabad,
U P ("Fish," & "Golden Bird").
Jallo Subsidiary Industries Co,
P.O. Box No. 124, Lahore.
("Lotus" Brand).

Kalianji Bhatia, 29, 31, 33, Bora
St, Bombay.
Modern Industries, Suddar Bazar,
Ferozepore Cantt. (Flexo &
Peacock).
Riverside Trading Co., 43, Garpar
Road, Calcutta (Blanco).
Sharika Industrial Works (Regd.)
Jammu (Tawi), N. W. Ry.
Sheth and Coy., Wadhwan Camp,
Kathiawar
Sreenath Chemical Works Ltd, 2,
College Sq, Calcutta, ("Croco-
dile" Brand).

BOTTLE MERCHANTS.

(Also Consult Glass Manufacturers & Glass Merchants).

All-India Bottle Supplying Co,
153/155, Chackla St, Bombay
Baya Trading Co, 9, Ezra Street,
Calcutta
Bharat Business Co, Nagina, Bij-
nora
C K Das & Sons, 17, College
Street, Calcutta
Indian Bottle Stores, 7, Ezra
Street, Calcutta.
"Kaumudini" Udyog Mandir,
301, Masjid Bunder Road, 34,

Shri Krishna Nivas, Bombay 3
Lakshmi Bottle Stores, 14, Ezra
Street, Calcutta.
R Avasthi & Co., Noughara,
Cawnpore
S. P. Singha & Co, 67, Ezra
Street, Calcutta
Shah & Co, 55, Ezra St, Calcutta
Sikri Bottle Stores 9, Ezra Street,
Calcutta.
Upper India Bottle Supplying Co,
Mani Ram Bazar, Cawnpore

BOXES AND CANS MANUFACTURERS.

(Also Consult Cardboard Box & Tin Box Manufacturers).

Abdul Haq Abdul Bashir, Bazar
Jhumma, Farrukhabad.
Agarwal Bros. & Co, 21, Sheo-
chanlal Road, Allahabad.
Bellaghata Box & Timber Co, 16,
Canal South Road, Calcutta
Dadabhai N. Burjoriam, Bazar,
Bilmoia, Suat (Wooden Cask
Mfts)
Dharamdas Pokardas & Bros,
Weavers Lane, Newnham Rd,
Karachi.
George Commercial Co, Nadrai
Gate, Kasgunj, Etah. (Also
Suit Case).
Indian States & Eastern Agency,
Hararwalla Bldg, Whitet Rd,
Ballard Estate, Bombay
Jamshedji Pirojshaw Wadia, Bil-
moia, Suat (Wooden Barrels)
K C. Cherian & Sons, P. B No.
59, Cochun (Packing cases).

Kohinoor Trading Co, Silver
Jubilee Park, Bangalore.
McLeod & Co., Ltd, 28, Dalhousie
Sq, Cal (Tea & Shellac
Cases & Plywood).
Orient Co, 14, Chittaranjan Ave-
nue, Calcutta, (Home Savings
Box).
Pioneer Jewellery Box Factory,
Khoru Garden, Karachi
R B Laha & Sons, 23, Bechu
Chatterjee St, Calcutta. (Velvet
cases, Leather & Velvet boxes)
Royal Jewel Case Mfg Co, 74,
Zaveri Bazar, Bombay.
Tricumdas & Co, 29/31, Bohra
Bazar St., Fort, Bombay (Al-
arm Cash Box).
Venesta Box Factory, Kamarhati,
Bengal.

INDIA'S FOOD PROBLEM. A Popular handbook series. As. 4.
INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

Oghala Lalloobhai & Co., Reid Road, Ahmedabad.
Pioneer Clay and Industrial Works, Khanapur, Belgaum
Soma Narsai, Bangia Faha, Bihmoia, Surat.

CALCUTTA.

Burn & Co., 12, Mission Row, Calcutta.
Dutt & Co., 76/1, Cornwallis Str. Calcutta.
Paul & Co., 10, Kumartuli Street, Calcutta.

CENTRAL PROVINCES.

Jagmohan Singh & Bros., An-dherdeo, Jubbulpore

DELHI.

Baldeo Singh & Sons, Kucha Tara Chand, Darya Ganj, Delhi.
Duli Chand, Sadar Bazar, Delhi
Ford and Macdonald, Sadar Bazar, Delhi

Kanchan Singh Surat Singh, Bhogal, Delhi.

Kundan Lal Shungloo, Sadar Bazar, Delhi

Mulchand Pandit, Sarai Rohilla, Delhi.

INDIAN STATES.

Bangalore Fine Brick & Tile Works, Masjid Road, Banga-lore City

Imperial Brick and Tile Works, Nanmanikara, Cochin.

Kolar Brick Making Co., Ltd., Marikuppam, Kolar
Pudukkottai Brick Works, Pudu-
kkottai

KARACHI.

Floors Ltd., Gaiden Lane, Karachi Sadar.

LAHORE.

Behari Lal Janam Das, Brand-
1eth Road, Lahore

MADRAS CITY.

Sree Rama Brick Works, Amil-
karai, Kilpauk, Madras

MADRAS PRESIDENCY.

Bellary Brick and Tile Works, Bellary.

G L Nairayana Setty & Sons, Adoni, Bellary Dt (S India).

PUNJAB.

Barket Ali Brotheirs, Fort, Panipat (Cement, Bricks, etc.).

UNITED PROVINCES.

Badri Nath Seth & Sons, Gou-
ghat, Mirzapur.

Bengal Stone & Co., Near Rly.
Stn., Mirzapur.

J Frizzom & Co., Civil Lines, Cawnpore

Kunji Lal Laxmi Chand, Sadh-
wara, Farrukhabad

Laretey Lal Jugloo Naram, Sadh-
wara, Farrukhabad

Mohan & Co., Harisava Road, Muzaffarpur

BRISTLES MERCHANTS.**CALCUTTA.**

Barlow & Co., 8, Chive Street, Cal-
cutta

G Boroue & Co., 44, Khelat Babu Lane, P.O. Cossipore, Calcutta.
(Also Beeswax).

Caledonia Brush Works, 81, Shambazar St., Calcutta

Chakraverty Ghose & Co., 15, Chive Street, Calcutta.

Indian Bristles & Lard Supply Co., 31-1, Tangra Rd, Calcutta.

Saksena Perfumery Works, Sak-
sena Bldgs, Kanauj, U. P

MADRAS CITY.

Volkart Bros., Armenian Street,

Madras**UNITED PROVINCES.**

Cowasjee & Sons, Opp. Anwar-
ganj, P.O., Cawnpur.

F. J Kotwal & Sons, La-Touche Road, Cawnpore.

H. & S Bros, 105, Kalpi Road, Cawnpore

Harbilas Rai & Co, La-Touche Road, Cawnpore

K L Mehta & Co, Cawnpore.

Manick Shaw Sadri & Co., The Mall, Cawnpore

Narayan & Sons, Patkapur, Cawn-
pore

BRUSH MANUFACTURERS AND DEALERS.**BENGAL.**

Jessore Comb Industry Co, Jes-
sore (Toothbrush).

Zenith Rub-Set Products, P O.
Gharialdanga, Rangpur.

Solve unemployment Problem? Read "CAREERS FOR AGENTS & MIDDLEMEN." INDUSTRY BOOK DEPT., Shambazar, Calcutta.

Mohan Singh Dari Mall, Panipat.
Ram Singh Gian Singh, Gujran
wala.

UNITED PROVINCES.

Agency Stores, D27-1A, Deonath
pura, Benares.
Baburam Narain Das, Tirpolia
Chalk, Farrukhabad
Bandhu Ram Radha Krishna,
Deoria, Gorakhpur.
Bhukan Saran Raja Ram, Mora
dabad.
Dabi Dass Bool Chand, Dhampur,
(Utensil).
Dalchand Harnarain, Meston
Road, Cawnpore
G. Karan Jee & Sons, P O Box
13, Aligarh
Ganga Ram Sheo Dayal, Fairu
khabad
Gobardhan Lal Shri Ram, Talaiya
Fazal Imam, Farrukhabad
Gupta Brothers, Dindaupurah St.,
Moradabad
Gupta Commercial Agency, 23-24,
Amroha Gate, Moradabad.
H. M. Ebrahim Ali Mohammad,
Hadi Shidi Sarai, Moradabad
Hafeezulhassan Ahmeddin, Bara
Bazar, Bareilly
Haji Noor Elahi Mehar Elahi,
Bazar Chawk, Moradabad
Jado Rai Hazari Mal, Lohai,
Farrukhabad
Jafar Ali, Mohalla Nabalpur,
Moradabad
Jagannath Parelal, Moradabad

K. S. Jowher & Sons, Shidi Sarai,
Moradabad.
Kalka Pd. Bhagwan Das, Nitga
nia, Farrukhabad.
Karai Husain Sadiq Hussain,
Moradabad. (Enamelled Brass
wares).
Kunj Behari Hanuman Prasad,
Rani Bazar, Ajodhya
Lachhan Ram Mahadeo Ram,
Deoria, Gorakhpur
Lal Behari Ram Saiup, Ismail
ganj, Farrukhabad
M. A. Jabbar & Sons, Shidi Sarai,
Moradabad
Mathura Pd. Pearey Lal, Bhika
mpur, Farrukhabad
Mukandi Lal Harbanslal, Najba
bad
N. K. Porov's Fine Brass Works,
Jageshwer Buildings, Garl
khana, Moradabad.
Oriental Art Emporium, Mora
dabad
Oriental Trading Co., Nagina,
Bijnor.
Puttu Lal Chheda Lal, Talaiya
Fazal Imam, Farrukhabad
Ram Narain Shannarain, Ry.
Station Road, Moradabad
Ram Saiup Mahir Chand, Dham
pur (Utensil)
Shile Saran Das Babooram, Naj
babad
Sitaram Ganga Pershad, Sati
Chowtra, Benares
T. L. Sharma & Co., Aligarh.
(Also Haidwares & Locks)

BRICKS MANUFACTURERS.

(Also see under Tiles Manufacturers.)

BENGAL.

Haridas Biswas, Dhrendranath
Biswas, Balubari, Dinajpur
K. Choudhury & Sons, Majampur,
P O Kusthia, Nadia.
Narain Ch Pal, Mitra Para Lane,
Ariadaha, (24-Parg).
BIHAR.

Mohan & Co., Harisava Road,
Muzaffarpur
Patna Brick Mfg Works, Ltd.
Babuguny Ghat, Patna

BOMBAY CITY.

C. Tribhovandas & Co., 11, Bank
Street, Fort Bombay.
K. Gaghbai & Sons, 8-10, Green

St. Fort, Bombay.

Kerson Ramji Kalyanwala, 170.
Bible House, Hornby Road,
Bombay.

Mistry Kamarudin Badroodin,
Duncan Road, Post No 4,
Bombay

Raval & Co., Bank Street, Fort.
Bombay. Br.—Karachi, Madras
and Bangalore

BOMBAY PRESIDENCY.

J. H. Madan's Factory, Dhasti
pura, Surat.

N. C. Palia's Factory, Dhastipura,
Surat

THE SPHERE OF TEA: An exposition of the cultivation, Manufacture
and Trade of Tea in India. R. S. Industry Book Dept., Calcutta.

BUILDING MATERIAL DEALERS.**BENGAL.**

Bibhuti Bhusan Biswas, Maldahapati, Dinajpur.
Calcutta Builders' Stores Ltd., 20, Shalimar Road, Howrah.
Haridas Biswas, Dharendraanath Biswas, Balubari, Dinajpur.

BIHAR.

Sitaramsah Mathura Prasad, Maharaiganj, Saran.

BOMBAY CITY.

Indian Hume Pipe Co, Bombay. (Concrete Pipes, Culverts, etc.).
Jannmahomed Haji Esmail Patel, 38, Narayan Dhurn St., Bombay. (Lime & Sand).
Tandur & Shahabad Stone Co., Sandhurst Road, near Round Temple, Bombay 4.
Tata Construction Co Ltd, Phoenix Building, Ballard Estate, Bombay.

BOMBAY PRESIDENCY.

Diwan & Co., Gadag, Dharwar.

CALCUTTA.

B. P. Sanyal & Co. 29, Strand Road, Calcutta.
Banga Lakshmi Soorky Mill, 3/4A, Ramkrishna Lane, Baghbazar, Calcutta.
Bhattacharyya & Co. 11, Clive Row, Calcutta (Stone).
Builders' Stores, 18/H/6, Canal West Road, Gaipar, Calcutta.
Calcutta Builders' Stores Ltd., 62, Bow Bazar St., Calcutta.
Canal Soorky Mill, 46/1, Canal East Road, Calcutta.
Indian Patent Stone Co, Ltd, Agts. Bird & Co, Chartered Bank Bldgs, Calcutta.
Indian Tube Co, Ltd, Victoria House, Calcutta (Black and Galv. Pipe).
International Trading Co, 13, Clive Street, Calcutta.
Jardine Menzies & Co. 2 & 3, Clive Row, Calcutta (Reinforced concrete).
Kutra Stone and Lime Works, 5, Kutra Road, Kidderpore, Cal.
Simplex Concrete Pipes Ltd, 26, & 27, Ekbalpore Lane, Calcutta.
Victoria Soorky Mill, 76/1, Cornwalis Street, Calcutta.

CENTRAL INDIA.

Imperial Stone Lime Mfg. Co, Imalia, Maihar, C. I.
Maihar Stone Lime Co., Ltd., Girgitta, C. I.

CENTRAL PROVINCES.

Duryodhan Sao Bhairo Prasad Sao Agarwala, Godihary, Raipur.
Moharsingh Bholanath, Katni.

INDIAN STATES.

Campbell & Sons, 118C, Brigade Rd., Bangalore.
Govind Nanyi Patel, Dera Sheri, Gondal, Kathiawar.
Marble Quarries, Makhrana, Marwar.
Misra Lime Works, Sutna, Rewa.
Nanji Virji, Porbandar. (Stone).
Sandstone Quarries and Lime Stone Kilns, Jodhpur, Sojat, Khata, Marwar.
Sutna Stone & Lime Co., Ltd., Sutna, Rewa.

KARACHI.

B. S. Jagatsingh & Co, Garden Lane, Karachi.
Dewan Chand Nikkamall, Bunder Road, Karachi.
Karachi Mosaic Marbleite Works, Karachi. (Concrete Products).

LAHORE.

Dhyan Singh & Sons, Mela Ram Road, Lahore. Br.—Simla.

MADRAS CITY.

G. E. Sampathy Chetty & Co, Madras.

MADRAS PRESIDENCY.

A. G. Gopalakrishnan & Co, W. Boulevard Road, Trichinopoly.
M. Rebello & Sons, Mangalore

PUNJAB.

Kalseys Singh Company, 1, Kalsey Buildings, Amritsar.

RAJPUTANA.

Hiralal Hemraj & Sons, Nasirabad, Rajputana

UNITED PROVINCES.

Azad & Co, Grand Trunk Road, Aligarh U. P. (Also Embossing Machine, Name plates, Buttons Dies, etc.).
Badri Nath Seth & Sons, Gaughat, Mirzapur, (Stone).

Utilise your Waste Products by reading "UTILISATION OF COMMON PRODUCTS." INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

BOMBAY CITY.

Aryan Brush Co, 36, Hamam St.,
Fort, Bombay.

Indian Brush Co, Sun Mill Rd.,
Bombay.

Wilkinson Heywood & Clark,
Exchange Bldg, Sport Road,
Ballard Estate, Bombay.

BOMBAY PRESIDENCY.

Shaha's Brush Factory, Ahmeda-
bad.

CALCUTTA.

Amherst Brush Factory, 12B, Am-
herst Street, Calcutta

B. Dutt Bros, 62, Manicktala St.,
Calcutta

Bengal Brush Factory, 1, Nobin
Ghosal Rd, Ballygunj, Calcutta.

Caledonia Brush Works, 81,
Shambazar St, Calcutta

Champatola Brush Factory, 18,
Amherst Street, Calcutta

Manick Lal Pal & Co, 173/1,
Dharamtala Street, Calcutta.

Br:-94, Harrison Road, Cal-
cutta. (Paint Brush).

Pioneer Brush Factory, 11, Am-
herst Street, Calcutta

DELHI.

Hafiz Abdul Salam & Sons, Sadar
Bazar, Delhi

Islamia Brush Factory, Sadar
Bazar, Delhi.

Mohd Ishaq Allawala, 150, Sad-
ar Bazar, Delhi.

Nawab Hassan, Saidal Hasan,
Sadar Bazar, Delhi.

Star Brush Works, Saddar Bazar,
Delhi.

Usman Bros, Sadar Bazar, Delhi.
INDIAN STATES.

Baroda Brush Factory, Baroda.

Prince Yeshwantrao Brush &
General Mnf'g. Co., Ltd, Sarafa,
Indore

MADRAS CITY.

General Swadeshus Ltd, 368,
Esplanade, Madras.

Royal Brush Works, 33, Wall Tax
Road, P. T. Madras.

PUNJAB.

Tackey Bros, 715, Mianapura
Street, Sialkot City.

UNITED PROVINCES.

A. A. M. Hasan & Co, Dhampur,
Bijnor

Agra Brush Factory, Jeoni Mandi,
Bailanganj, Agra

Agra Swadeshi Brush Co, Johri
Bazar, Tikari Street, Agra

Brushwares Ltd, 123/1, Halsey
Rd, Cawnpore

Crown Brush Factory, Bagh
Muzaffarkhan, Agra

Ganga & Co, Valley Bazar,
Meerut City.

Garga & Co, Clock Tower, Meerut
City.

H. Bevis & Co, Bansmandi, Cawn-
pore.

Indian Brush Factory, Bansman-
di, Cawnpore.

Shaw & Co, 85, Bazar Khair-
nagar, Meerut City.

Siddiqui Brush Factory, Sherkot,
Bijnor.

Upper India Brush Factory, Agra

BUCKET MANUFACTURERS AND DEALERS.

Bengal Galvanising Works 91A,
Ultadanga Main Rd, Calcutta

Binapani Galvanising Works,
137-1-2, Ultadanga Main Road,
Calcutta.

Bombay Tinsmithing & Metal
Plate Co 63, Morland Road,
Byculla, Bombay, 8

Marwar Galvanising Works, 161-1,
Harrison Road, Calcutta

Saifee Bucket Factory, Sankh
St., Byculla, Bombay

Shyam Sundar Bucket Factory,
142-5, Ultadanga Main Rd, Cal.

Uma Chaitan Dey, 180-181, Old
China Bazar St, Calcutta.

Union Gas Works, Burd Bazar,
Dacca.

Upper India Metal Works, Ltd,
Chheharta, Amritsar Dt

Amherst Brush Factory,

BRUSH MANUFACTURERS, CONTRACTORS,
SPECIALISTS IN MILL & FACTORY SUPPLIERS
12-B, AMHERST STREET, CALCUTTA.

Vadilal Chunilal, Bullion Exchange Bldg., Shaikh Memon St., Bombay.
Valabhji Jivabhai, Soni, Bazar,

Junagad, Kathiawar.
Vali Mahomed Gulam Husain Sonavala & Co., 5, Mumbadevi, Zaveri Bazar, Bombay 2.

BUTTON MANUFACTURERS.

BENGAL

B L Mitra & Bros., Barpara, Dacca
Bengal Industrial Cottage, 40, Kapurianagar Road, Faridabad, Dacca. (M O P & Horn).
Coronation Button Manufacturing Co., Dacca (Mother-of-Pearl).
Dacca Button Manufacturing Co., Dacca
Datta Button Factory, Shankari Bazar, Dacca
East Bengal Button Factory, 58, Sutrapur, Dacca
East Indian Button Co., 34, Ganakully, Pilkhana, Dacca
Eastern Industrial Syndicate, Berhampore, Murshidabad.
Eastern Small Industries, Laxmi Bazar, Dacca
Home-made Button Mnfgr Co., Farashganj Rd., Dacca
Jupiter Button Mnfgr. Co., 71, Sutrapur, Dacca
Kohinoor Horn Button Works, 72, Sutrapur, Dacca
Moslem Button Factory, 84, Urdu Road, Dacca
Narayan Button Works, Narinda, Dacca
Narainganj Button Making Co-operative Society, Narainganj.
Oriental Button Manufacturing Co., Kapurianagar, Dacca
Oriental Horn & Pearl Button Factory, Faridabad, Dacca
Punjab Button Factory, Walfair Road, Dacca
S Chanda Bros. & Co., 25-1, Bangshi Bazar, Dacca
Victoria Button Manufacturing Co., Narinda, Dacca

BIHAR.

Bihar Industrial Button Factory, Motihari, Champaran
Tirhoot Moon Button Factory, Sahebganj, P O., Mehsi, Champaran

BOMBAY CITY.

Chitalla Bros., Shami Gali, Kalbadevi Road, Bombay 2.

Durlabhdas Mulji Zaveri, 21, Gopalwadi, Bombay No. 2.
Gold Filled Button Manufacturing Co., 158, Princess St., Bombay 2.
National Button Factory, 95, Barabhai, Bombay 3
R S Wadaye Bros., Lohar Chawl, Bombay 2.
Sher Ali Nanjee, Khadack, Bombay 3.
Vardhaman & Sons, 1, Pydhoni Tram Junc., Bombay.

BOMBAY PRESIDENCY.

D N. Chandra & Co., Poona Camp.
CALCUTTA.
Hajee Ismail Sait, 25, Harinbari Lane, Calcutta

DELHI.

Azib & Sons, Sadar Bazar, Delhi.
Bishamber Nath & Co., Sadar Bazar, Delhi
Dacca Button Co., Burn Bastion Road, Delhi
Mohd Jamil & Sons, Sadar Bazar, Delhi
Panna Lal Walaiti Ram, Sadar Bazar, Delhi
Zam-ul-Abdin & Sons, Sarai Topkhana, Delhi

INDIAN STATES.

Bharat Button Factory, Hyderabad, Deccan.
Deccan Button Factory, "Husaine Alam," Hyderabad, Deccan.
L A Netto, Trivandrum, Travancore.
Mohd Bakhsh Imam Din, Malerkotla.

MADRAS CITY.

Samson & Co., Triplicane, Madras (Bone button).
South Indian Ivory Finish Button Works, Royapuram, Madras

MADRAS PRESIDENCY.

Soans Button Works, Uthchila P. O., S Kanara.

PUNJAB.

C. R. Khurana, Karnal, Punjab. (Also Novelties.)
Lal Chand & Co., Inside Harim Gate, Multan

GUIDE TO FIRST AID: An indispensable guide for every home. As. 4.
INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

Bhaiat Stone Works, Sankargarh,
Allahabad.

Ghatk & Co, Sonapur, New
Road, Benares City

Hulas Rai Jamna Das, Buland-
shahr.

Mirzapur Stone & Trading Co,
Mirzapur City

Prabhakar Metal Works, Jaiganj,
Allahgarh. (Brass Materials).

R. N. Sanyal, 8, Hewett Road,
Lucknow.

Tulsee & Co, Chunar.

BULLION MERCHANTS.

Abdulla Allmohamed, 32, Dagina
Bazar, Mumba Devi, Tamba
Kanta, Bombay.

Ali Mahomed Mecklai & Co., 99,
Esplanade Road, Fort, Bombay
Amiji Hasanali Soni, Som Bazar,
Jamnagar, Kathiawar.

Bajunath Saraf, Kinari Bazar,
Agia

Balkishandas Ramkishandas, Kal-
badevi Road, Bombay.

Bhagwan Prashad Moti Chand,
Deoria, Gorakhpur

Bhogilal Chhotalal Chokshi,
Shroff Bazar, Bombay.

Bhogilal Chimanlal Sonawalla,
Opp Khara Kuva, Bombay.

Burjaj Zorawamull Batia, 7,
Canning Street, Calcutta

Chunilal Babel, Chhipa Para,
Kotah.

Chunilal Mehta & Co, Ltd, 51,
Marwari Bazar, Bombay, 2.

Dhunjai Gafal, Bazar, Wadhwan
Camp, Kathiawar

Ghasi Ram Mankulal, Chowk.
Satna, Rewa State

Hamirmal Sukhrail, Mewari Ba-
zar, Beawar, Merwara Dt.

Haji Chand Gulab Chand, Azam-
garh, U P

Janki Saran Lakshman Saran
Gupta, Chowk Bazar, Bahraich
Jayantilal Tarachand Parekh,
Rajendra Road, Jamnagar, Kathia-
war

Jethulal Sanghaji, Bullion Ex-
change Buildings, Shaikh Me-
mon St, Bombay.

Jivatilal Puitapsh, Bullion Ex-
change Bldg, Bombay 2
Joharmal Gambhirmal, Near Jain
Hospital, Kotah

Kamta Prasad Radha Kishun,
Ballia, U P (Silver)

Keshavjee Devchand & Co, Great
Cotton Road, Tuticodin

Kundan Lal Kunjbehari Lal, 12,
Amin-ud-Daula Park, Lucknow
(Gold & Silver).

Madhavilal Benilal, Chowkhamba,
Benares.

Maganlal Jekishandas, Hira-
chand's Bldg, Khana Kuva,
Bombay.

Maganlal Maneklal & Co, 149,
Shaikh Memon St, Bombay.

Mangaldas Kalidas Choksey, 21,
Bullion Exchange Hall, Shaikh
Memon Street, Bombay

Motamul Bagavanulu, Military
Lines, Berhampore, Ganjam

Narayandas Kedarnath, 2, Bullion
Ex Bldg, Shaikh Memon St.
Bombay

Nariondas Manordass, P. & O.
Banking Corporation Bldg, Es-
planade Road, Bombay.

Premchand Roychand & Sons.
Apollo Street, Fort, Bombay.

Prasad Das Boral & Bros, 28,
Swallow Lane, Calcutta

Punam Chand Ratan Chand,
Shroff Bazar, Chanda, C P

R S Nand Lal Sadani, Sadar
Bazar, Raipur.

Raghuuandan Prasad Saraf,
Azamgarh, U P

Raichand Premji, Choksi Bazar,
Junagad, Kathiawar.

Ram Sewak Ram Ataram,
Nakhas, Ghazipur, U P.

Ramdayal Somani & Co, Bullion
Exchange Bldg, Shaikh Memon
Street, Bombay.

Sanghvi Bros, Rajkot Pura,
Kathiawar.

Sri Ram Prag Dass, Cloth Market,
Bikaner

Suleman Alibhai, Choksi Bazar,
Virangam Ahmedabad

Tejpal Chandil Prasad, Sadar
Bazar, Bilaspur.

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INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

CALICO PRINTERS.

(Also see Dyers & Bleachers.)

- Ahmedabad Manufacturing & Calico Printing Co., Ahmedabad.
 Balaji Bhanji Dyeing & Printing Works, Ahmedabad.
 Bengal Dyer's Association, 1, Calcutta East Bye Lane, Beliaghata, Calcutta.
 Cawnpore Dyeing & Cloth Printing Co., 73, Civil Lines, Cawnpore.
 Germania Aero Printing Works, Jamnagar.
 Germania Dyeing & Printing Works, Charni Road, Bombay.
 Government Cottage Industries Institute, Delhi.
 India Prints Mnf. Co., Sadhwara, Farrukhabad.
 Indian Bleaching, Dyeing & Printing Works, 29, Rustomji Bldg., Church Gate Str., Fort, Bombay.
 Kargha-Sangh (Regd.), Hardwar.
 Khadi Printing & Dyeing Works, Girgaon Back Rd., Bombay 4.
 Luxmi Dyeing and Printing Works, 41, Harimohan Bose Lane, Howrah.
 Madura Calico Printing & Dyeing House, South Masi Street, Madura.
 Mathura Cloth Printing Co., Swami Ghat, Muttra.
 Rajnarain Shamsundar Narain, Sadwara, Farrukhabad.
 Ranganatha & Co., Chotal Bhuvan, 2nd Floor, Kalbadevi, Bombay 2.
 S. B. Saxon & Co., Post Box No. 3, Muttra, U. P.
 Shamaldas Dyeing & Printing Works, 31, 3rd, Pujrapole St., Bombay 4.
 South Indian Silks Limited, Gudiyatam, (N. Arcot).

CAMERA MANUFACTURERS.

- Shevade's Camera Works, Belgaum and Budhgaon, M. S. M. Ry.
 Welling Camera Works, Belgaum, Bombay Prescy.

CANDLE MANUFACTURERS & DEALERS.**BENGAL.**

- S. Douche & Son, 100, Faridabad, Dacca. (Also Stationers).

BOMBAY CITY.

- Bharat Candle Factory, 18, Custom House Road, Fort, Bombay.
 Light House Candle Factory, Homjee Hall, Mazagaon, Bombay 10.
 Soap Candle Mnf. Co., Mazagaon, Bombay.

BOMBAY PRESIDENCY.

- Hind Candle Works, Bilimora, Surat.

- Western Indian Oil Products Co., Ltd., Gandevi Road, Bilimora.

INDIAN STATES.

- E. Z. George, Kottakal, Kottayam, Travancore

MADRAS CITY.

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- Kesari Soap & Candle Works, Ltd., Shevapet, Salem.

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- S. M's Candle Works Co., Alleppey.

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Modern Picture Publishers of India, Claude House, Girgaum Back Road, Bombay No. 4.

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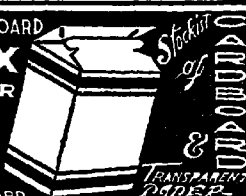
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 Dainuddin Shaik, Bhausi Bangali,
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 pur, Nadia
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 A S Krishna Chetty, Arsikere,
 Mysore
 Mortamal Sonamal, Pakki Larin,
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East Bengal Cinematograph Co.,
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Eta Co Ltd, 2, Sadarghat, Dacca.
Sta of India Film Co, Burdwan.

BIHAR.

Deshbandhu Cinema Co, Jharia,
Manbhum

BOMBAY CITY.

Ajanta Cinetone Ltd, Parel,
Bombay 12
Aryan Pictures, Hindu Colony,
Dadar, Bombay
Bhavani Productions, The Palms,
104, Dadar Main Road, Bom-
bay 14.
British India Film Co, Gaiety
Chambers, Hornby Road, Fort,
Bombay.
Dh L Mistry, 24, Nepean Rd,
Malabar Hill, Bombay 6.
Imperial Film Co, Kennedy
Bridge, Bombay
Jagtap Picture Corporation,
Boirvi, Bombay
Metro Goldwyn Mayer (India)
Ltd., Imperial Chambers, Wil-
son Road, Ballard Estate, Bom-
bay, 6, Chowringhee Rd, Cal.
Mistry Raw Film Distributors
Ltd, 204, Hornby Road, Fort,
Bombay.
Paramount Film Co., Goverdhan
Bldg, 2, Parekh St, Sandhurst
Rd, Bombay.
Pathe India, Ballard Estate,
Bombay.
Ranjit Film Co, Dadar, Bombay
Sagar Movi Tone Co, Cinema
68, Nepeansea Road, Bombay.
Sarda Film Co, 47, Apollo Street,
Bombay.
Saroj Film Co, Bombay.
Select Talkies Distributors,
Santi Sadar, French Bridge,
Bombay 7.
Sharada Film Co, Tardeo, Bom-
bay
Shree Krishna Film Co, 162, Da-
dar Road, Bombay, No 14,
Br —Delhi, Calcutta, Madras &
Mombasa (Kenya).

Universal Pictures Corporation
of New York, Gurgaum, Bom-
bay, 170, Dharamtola St, Cal.

BOMBAY PRESIDENCY.

Aryan Film Co, Poona
South India Film Co, Sholapur

CALCUTTA.

Angora Film Bureau, 8, Ram-
chand Ghose Lane, Calcutta
Aurora Film Corporation, 125,
Dhurrantola Street, Calcutta
Barua Pictures Ltd, 12, Mullen
Street, Calcutta
Bharat Lakshmi Pictures, Tolly-
gunge, Calcutta
Calcutta Film Exchange, 22,
Amiatola Street, Calcutta
Columbia Films of India Ltd., 170,
Dhurrumtola St, Calcutta
Dossam Film Corporation, 7, Co-
lootola Street, Calcutta.
East India Film Co, Regent Park,
Tollygunge, Calcutta.
Empire Talkie Distributors, B-5,
Bharat Bhaban, Chittaranjan
Avenue, Calcutta
Fox Film Corporation (India),
Ltd, 19, Chowringhee Rd, Cal-
Kali Films, 4, Baburam Ghosh
Road, Tollygunge, Calcutta:
Lucky Film Syndicate, 5/3A
Lower Chitpore Road, Calcutta.
Madan Theatres, Ltd, 5, Dharam-
tola St, Calcutta.
New Theatres Ltd, 171, Dharam-
tola St, Calcutta
Paramount Films of India Ltd,
Inc U. S A, 170, Dhurrumtola
Street, Calcutta
Popular Picture Distributors, 1,
Crooked Lane, Calcutta
Prima Films Ltd, Rupabani
Bldgs, Calcutta
R. K O Radio Pictures, Ltd,
98E, Chittaranjan Avenue, S
Calcutta
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Court House Street, Cal. Alice
Bldg, Hornby Rd. Bombay,
(Also Cigars).

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Calcutta (Agts Bombay Spe-
cial, also Cigars)

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Ltd, Virginia House, 37, Chow-
ringhee, Calcutta, (Also at
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Tobacco Box, 5, Chowringhee Rd,
Calcutta

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Michael & Co, The Mall, Lahore

Sun Tobacco Co. Ltd, 46, McLeod
Road, Lahore

Western India Tobacco Co, Anar-
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Naidu St, Madras

PUNJAB.

International Tobacco Corpora-
tion, G T Road, Amritsar

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Simla

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Dwarka Tobacco Co of India,
Rokhsheem Road, Sukkur

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Gully, Mulji Jetha Market,
Bombay.
Evans Fraser & Co., The Fort
House, Fort, Bombay.
G. S. Mhaskar Ltd, 205, Girgaum
Road, Bombay 4
Jamal Abdul Rehman & Co, 126,
Chukla St, Bombay.
Jethabhai Ramdas & Co, Mulji
Jetha Market, Bombay.
Kotak Bros, Girgaon, Opp. Pra-
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Lalji Mansing, Shaikh Memon St.,
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Madhavji Jeshang, Mulji Jetha
Market, Bombay.
Mahindrakar Bros., Girgaon, Near
Prathna Samaj, Bombay
Manilal Sankalchand Shah, 26,
Champa Gully, Mulji Jetha
Market, Bombay.

Manubhai Moholal, Gauraj Gully,
Mulji Jetha Market, Bombay.
Mulchand Bulakhidas, Dwarkesh
Gully, M. J. Market, Bombay.
Nathuram Ramnarayan, Dharam-
raj Gali, Mulji Jetha Market,
Bombay.
Ramchandra Lalji & Co, Shaikh
Memon St., Bombay.
Savailal Maneklal, Narayan
Chowk, M J. Market, Bombay.
Shree Swadeshi Vastra Bhandar,
35-37, Bazargate Street, Ratan
House, Fort, Bombay.
Vishweshwar Ishwarlal, Sancha
Gali, Mulji Jetha Market,
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das Market, Ahmedabad
Bakli Bros, Richey Road, Ahme-
dabad.
Bhagvandas Baldevdas Shah, Ka-
pad Bazar, Sidhpur, (Gujrat)
Chunilal Damodardas, Hanuman
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puri Bhagol, Surat.
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galwarpeth, Sholapur.
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ra, 208, Raviwar Peth, Kapad-
ganj, Poona City No. 2.
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Foolchand Namchand, Outside
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Ghulam Mahmud Gulam Rasul,
Maskati Market, Ahmedabad.
Hari Gangaram Shimpi, Agra Rd.,
Dhulia, W Khandesh.
Jannadas Ambaram, Mahidhar-
pura Golshery, Surat.
Jesingbhai Bhogilal Sutaria, Mas-
kati Market, Ahmedabad.
Jhoken Bros, Janjira Murud,
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Chattrapati Cinetone, Kolhapur
Joiwarmull Motilal, Secunderabad, Deccan
Kathiawar Film Service, Rajkot C S, Kathiawar
Loyal Goverdhan Sha, Chickpet, Bangalore. (Distributors).
Maharashtra Film Co, Kolhapur.
Pravat Film Co, Kolhapur
Purushotam Vithaldas & Co. Mamulpet, Bangalore.
Saurashtra Films Ltd., Ranapur, Kathiawar

KARACHI.

Diamond Pictures Ltd, Karachi
Gvalini Bios, Napier Rd, Karachi.
Imperial Talkies, Karachi
Swastika Pictures Ltd, Karachi

LAHORE.

Fine Pictures Producing Corporation, Palpattiam St., Lahore
Punjab Film Co. The Mall, Lahore

MADRAS CITY.

Exhibitor's Film Service, 9, Stringer's St, G. T., Madras.
Oriental Film Service, Singanna Naik St, G. T. Madras.

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Eastern Art Productions, Ltd, Main Bazar, Hyderabad, Sind,
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Kamroodin Hasanjee, 85, Radhabazar Str., Calcutta.

Katyayani Stores, College Street Market, Calcutta.

Laxminarain Ramkumar, 43 & 44, Cotton St., Calcutta.

M F. Tayebally & Co, 129, Radhabazar Str., Calcutta.

Mafiatlal Gagalbhai Sons, 11, Clive St., Calcutta.

Mahomedally Goolamally & Co., 108, Radhabazar Str., Calcutta.

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Pal Brothers, 221, Cornwallis St., Calcutta.

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Ralli Bros, 16, Hare St., Calcutta.

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Shambazar Stores, 140, Cornwallis St., Calcutta.

Sundermal Parasram, 161, Chittaranjan Avenue, North, Calcutta.

Taraknath Mool Chand, 1-A, Sovaram Bysack Street, Calcutta.

Taraknath Sashubhusan Kalipada Halder, 46, Cross Str., Barabazar, Calcutta.

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Jamadhar Potdar, Bilaspur, C P (Agencies at Akola, Raipur).

Kallo Ram Puran Chand, Katni, Jubbulpore.

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M Rao & Co., Bandubpur, Damoh.

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Naganna Amanna, Bilaspur, C P.

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Pratapchand Chhogmal, Fulgaon Ramanlal Shankerlal, Sadar Bazar, Raipur, C P.

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 Ramsookha Chandak, Mangalwarpeth, Sholapur.
 Ratan Chand Jethmal, Maskati Market, Ahmedabad
 Sahebram Bhawanram Hande, Mangalwarpeth, Sholapur
 Seth Gagalbhai Hathibhai, Raviwar Peth, Poona 2
 Seth Hirachand Memchand, Mangalwarpeth, Sholapur.
 Shankar Hari Navale, Budhwar Peth, Poona 2
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A. N. Govinda Swamy Chettiar, West Chittrai St., Madras.
 Goccoildas Jannadas & Co., 229, China Bazar Rd., Madras.
 Hajee Hoosen Hajee Gani, Devraj Mudali Street, Madras.
 Hajee Karim Hajee Ebrahim Devraj Mudali Street, Madras.
 Jivraj Topan, 14, Laxmidas St., Madras.
 Laxmidas Dwarkadas, 436, Sowcarpet, Madras.
 T. R. N. Swamy, 2-74, Godown St., Madras.
 Tetley & Whitley, 17, Armenian St., Madras.

MADRAS PRESIDENCY.

A.P.I Chandrasekhara Mudaliar, Hodgsonpet, Conjeeveram (Also silk).
 A Ramappa Bangera, Mission St., Mangalore, S. Kanara.
 A V K Arunaigiri Nadar & Sons, Great Cotton Road, Tuticorin.
 Anglo French Textile & Co., Ltd, Pondicherry.
 B Ranatha Chetty, Agraharam St., Erode Bombay Hall, Erode.
 C Krishna Rao, Big Conjeeveram. (Also silk).
 Colmbatore Weaving Syndicate, Jail Rd, Colmbatore.
 Commission & General Agency, Big Baazr Street, Colmbatore, (Agencies: Bangalore, Shimoga, Hubli).
 Erode Sitaram & Co, Ltd, Erode.
 Gonesh Srinivas Pai, Car Street, Mangalore, S. Kanara.
 Grandhi Ramamurthy & Sons, Ellore, W. Godavary.
 Hajee Mosha Sait & Bros., Evening Bazar, Madura.
 Hansraj Manilal & Co., Bezvada, Kistna.
 Indian Cloth Stores, 9, Sundries Market, Guntur.
 Jamal Noor Mohamed, Main Rd., Vizagapatam.

**HARI HOSIERY FACTORY'S BLEACHING & FINISHING
 ARE OF SUPER EXCELLANCE.**

Jha Jhorni Dhandhanla & Co.,
Cloth Market, Delhi.
Kansu Nath Chhote Lal, Chandni
Chowk, Delhi
Lekhraj Bisamber Dyal, Cloth
Market, Delhi.
Mohan Bros., Ltd., Connaught
Place and Clock Tower, Delhi
Morarjee Goculdass Spg & Wvg,
Co., Ltd., 2068, Laxmi Bazar,
Cloth Market, Delhi
Pandit Brothers, Chandni Chowk,
Delhi.
Ragho Mall and Sons, Fort Road,
Delhi
Verma & Kapoor, Chandni
Chowk, Delhi. (Madura Series).

INDIAN STATES.

A Hariappa Kadur, Mysore
Abdul Khair Ismail Sait, Sina-
rampet, Mysore
Ahmed Abdul Sakur Sait & Bros.,
Chalal, Trivandrum
B Manjiah & Chamiah, Nagar-
thapet, Bangalore City
Balchand & Sons, Main St.,
Mhow, Indore State
Bali & Sons, Chowk Amirakadal,
Srinagar, Kashmir.
Bhagat Pushkar Das M Lall,
Machi, Bahawalpur.
C V. Hal Rao & Sons, Big Bazar,
Bangalore City
Chandrabhan Pookraj, Chikmaga-
tur, Mysore.
Chaturbhuj Kanji, Morvi, Katha-
war
Chhogalal Pannalal, Yeshwant
Bazar, Indore
Chhoteylal Nemichand, Hawama-
hal Ka Khandia, Jaipur City.
Dalpatram Raichand, Mahmed
Vadi, Baroda
Devram Ramu & Co. P O Khe-
dol, Anjar, Cutch
Gambhir Chand Bhaya, Agrawala
Olal, Chauk, Khwatan Bazar,
Bikaner.
Ganesh Ram Moti Ram, Chowk,
Bhopal.
Ganeshlal Mahadeolal, Chauk
Khwatan, Jaipur.
Govind Ram Shew Narain, M T
Market, Gopal Chowk, Indore.
H B Laxmana Rao & Sons,
Kadur, Mysore

H. Ghouse Mohideen Saheb &
Sons, Hassan, Mysore.
Hajari Mal Meghrai Co., Kadur,
Mysore.
Hajee Ebrahim Kassam Sait,
Mattancherry, Cochin
Hajee Habib Hassham, Bantva,
Kathlawar.
Hardikar Bros., Ujjain, Gwalior
Issak Arab & Co. P. O Khedol,
Anjar, Cutch.
Jagannath Pershad, Ganga Man-
dar, Bharatpur State
Jethalal Meghji & Sons, Saddar
Bazar, Rajkot, Kathlawar.
K. M. Ganoyi Rao & Bros., Kadur,
Mysore.
K M. Narasinga Rao & Sons,
Kadur, Mysore
K Narayana Shetty & Sons,
Chicknagalore, Mysore.
K Ramaswamy Gupta, Big Bazar,
P O. Maleswaram, Bangalore
Kalyanjee Dayal, Jafarabad, Ka-
thlawar.
Kisandas Prabhudas, Jafarabad,
Kathlawar.
Khub Chand, Fort Road, Rewa.
Khusal Rugnathji, Junagadh,
Kathlawar.
Kochar & Co., Kote Gate, Bikaner.
Kokudi Nadar, Martandam P O.
S. Travancore
M Munivenkatappa, Big Bazar,
Bangalore City.
M. Nanjappa & Sons, Arsikere,
Mysore.
M. Rama Menon, Ottupara.
Wadakanchery P. O., Cochin
State
M S Siddaramappa & Bros.,
Malligevalhalli, P. O. Belgutli.
Shimoga, Mysore.
Mangal Ram, Ganga Mandar.
Bharatpur State
Meachery Chakkor & Sons,
Ollur, Cochin State
Miranbaksh Din Mohd. Bara
Bazar, Sambhar Lake.
Mohan Lal, Ganga Mandar, Bha-
ratpur State.
Morvi Cloth Importing Co.
Morvi, Kathlawar.
Moti Chand Narain Das Bara
Bazar, Udaipur, Mewar State
Muljee Dwarkadas, Jafarabad,
Kathlawar.

**HARI HOSIERY FACTORY MANUFACTURES ALL
SORTS OF HIGHER CLASS GENGIES.**

Jagindra Commercial Agency,
Ludhiana.

Jugalkishore Jaichand, Sadar
Bazar, Rawalpindi.

Khwaja National Factory, Ludhi-
ana.

L. Bhole Ram, Kangra

L. Kunjal Bhagatram, Fatehabad,
Hissar.

L. Shadi Ram & Bros, Karkhana
Bazar, Lyallpur.

Lala Lacchmisahai Bhatia, Katra

Ahluwalia, Amritsar.

Makhan Singh Labh Singh,
Railway St., Lyallpur.

Mercantile House, 11, Lawrence
Road, Amritsar.

Pannalal Hari Chand, Moga,
Ferozepore Dt.

Ramadin Gopaldass, Kalka, Am-
bala (Also Silk).

Ramnarayan Kishandayal, Cloth
Mktet, Amritsar.

Ratna Mal Railia Ram Dhaun,
Rail Bazar, Lyallpur, (Punjab).

S. M. Devi Das Gorowara, Chowk
Jhumra, Lyallpur.

Sheo Prasad Jain, Ambala City.

Sohanlal Mohanlal Dhingera,
Main Bazar, Wazirabad

Victory Works, Regtd. (Estd.
1920), Ludhiana.

SIND.

Dewoomal & Bros, Rustom P.O.,
Shikarpur, Sind.

Fateh Mohd, Din Mohd, Dhak
Bazar, Sehwan, Larkana, Sind.

Hotchand Chuhamal, Advani
Lane, Hyderabad, Sind.

Kishinchand Amarsingh, Shahi
Bazar, Hyderabad, Sind.

Menghraj Shivandas, Lalkachery
Lane, Larkana, Sind.

Seth Gundo Mal & Sons, Dhak
Bazar, Sehwan, Larkana, Sind.

Valiram Pahumal, Sukkur, Sind.

Wadhoooram, Pabaharai & Bros.,
Rustom P O, Shikarpur, Sind

UNITED PROVINCES.

Abbas Farukh, Lala Bazar,
Almora.

Abdul Majid, Lala Bazar, Almora.

Allmohmed Gani, Meston Road,
Cawnpore.

B Mohendra Nath, Askunda, Ba-
zar, Muttra.

Baburam & Co, Old Generalgunj,
Cawnpore.

Badri Das Bithal Das, Bishram
Ghat, Muttra.

Badri Dass Bankey Lal, Raja-ki-
Mandi, Agra.

Bankey Behari Kunj Behary, Da-
Modar Bhawan, Generalgunj,
Cawnpore.

Bau Nath Benpershad, Agra

Bhagwan Das, Bishram Ghat,
Muttra.

Bhagwan Das Nanak Chand,
Kothaparcha, Farrukhabad

Bhagwati Prasad & Bros. Par-
sarhatta, Mirzapur.

Bithal Das Bhagwati Pd, General
Gunj, Cawnpore

Changa Mal Bal Kishan, Katra
Ahmadganj, Farrukhabad.

Chunnilal Roshan Lal, Moti
Bazar, Hathras.

Dada Ebrahim. Kinari Bazar,
Agra.

Devi Das Khettry, Chhatta
Bazar, Muttra.

Dukhl Ram Mahadeo Pd, Chunar.

Faqir Chand Saryu Prasad, Ballia.

G. S. Varshney & Co., Near Old
Kotowali, Bazar, Hathras city.

Ganga Das Maloo & Co., Sadar
Bazar, Neemuch.

Gangalal Ram Charan. Moti
Bazar, Hathras

Ghulam Sarwar & Son, Hazrat-
gunj, Lucknow.

Gokal Chand & Sons, Taj Road,
Agra Cantl.

Gopi Nath Devi Charan, Tirpola
Chauk, Farrukhabad.

Gopinath Changamull, Cawnpore

Govind Das Dwarka Dass, 76,
Bulanala, Benares.

Gulab Chand Mathura Prasad,
Azamgarh.

Guru Pada Mukherjee, Lachman-
pura, Benares City. (Benaras).

Haji Din Mohd, Habibullah,
Maunath Bhanjan, Azamgarh.

Heinam Das Bhogan Das, Dham-
pur.

Jawala Prasad Radha Krishna,
Kahoo Kothi, Cawnpore.

Joosab Hussain & Co., Meston
Road, Cawnpore.

**HARI HOSIERY FACTORY'S BLEACHING & FINISHING
ARE OF SUPER EXCELLANCE.**

K. R. R. & N. S. Rama Iyer, Big Bazar, Palghat, Malabar.
 K. S. Muthia & Co. Evening Bazar, Madurai.
 Kanji Shivan, Kamp Bazar, Cannanore.
 Konakalla Venkateswararao, Ellore, W. Godavary.
 Kundem Mahalakshmi & Sons, Mori, Razole, E. Godavary.
 M. Viswanadham, Chirala, Guntur.
 Madura House, Mahal Road, Madurai, S India.
 Maniam Brothers, General Ware House, Railway Road, Tanjore.
 N. R. Panakalu & Co., Chirala, Guntur.
 N. R. Parameswara Iyer, Big Bazar St., Palghat, Malabar.
 N. S. Pathu Iyer & Sons, Big Bazar, Palghat, Malabar.
 N. Shreeramamurthy, Main Road, Vizagapatam.
 N. V. M. Pachayappa Mudaliar, Hodgsonpet, Conjeeveram.
 Nagarkar & Sons, Hampankatta, Mangalore, S. Kanara.
 O. G. Subramanya Iyer, Tirukatupalli, Tanjore.
 P. K. A. S. Saib Routhier, Palghat, Malabar.
 P. S. Narasinga Rao & Sons, Goribidnur, M. S. M. Ry.
 Pathy & Maney, Gudiyattam.
 Pichika Mallayya & Sons, Mori, Rozole, E. Godavary.
 R. Gopala Krishna Ram, 1st, Agraharam, Salem.
 Ramaswamy Chetti & Sons, Jala-kantapuram, Salem.
 S. J. Ramiah & Co., Chirala, Guntur.
 S. S. Krishnasah & Sons, Conjee-veram (Also silk).
 S. S. N. Lakshmanan Chettiar & Co., 115, Municipal Rd., Madurai.
 S. V. Chockalingam, Aruppukot-tal, Ramnad.
 Salem Banain Co., Shevapat, Salem.
 Sankalchand Chunilal, Bezwada Scientific Dye Works, Rangmahal, Mangalore, S. Kanara.
 Sesha & Sons, Vearanki Lock, Kistna.

Shah Thaker & Co., East Perma-mal Maistry Street, Madurai.
 South Indian Silks Limited, Gudiyatam, (N. Arcot).
 Subbarama Iyer & Bros., Big Bazar, Palghat, Malabar.
 Subbarayudu & Sons, Vutkuri, Chirala, Guntur.
 T. Natesa Chetty, Arni, N. Arcot.
 V. G. Seshachala Chettiar, Arni.
 V. Krishnappa Chettiar, L. Conjeeveram. (Also silk).
 Vankayala Nookaraju & Co., Main Road, Vizagapatam.
 Vishnu Weaving Works, P. O. Chovva, Malabai.

ORISSA.

A. Madava Rao, Mandasa, Ganjam.
 Dayasagar Bohidar, Swadeshi Bastialaya, Sambalpur.
 Devidutt Mangilal, Chandni Chowk, Cuttack.
 Ganeshnarain Gordhandas, Motiganj, Balasore.
 Mulchand Kanhaiyalall, Marwarl Paia, Sambalpur.
 Sree Sitarama Vastralaya, P.O., Nuvapada, Ichapur, Ganjam.
 Srinibash Kar Gadadhar Kar, Nandpara, Sambalpur.
 Sukur Khan & Sons, Aska, Ganjam.

PUNJAB.

Ahmed Jan Abdul Aziz, Ludhiana.
 B. Harcharan Dass, Ambala City.
 Basudev Munnalal, Mall Rd., Simla.
 Belliam Beparilal, Krishna Cloth Market, Amritsar.
 Chamba Mall Paras Ram, Solan, Simla.
 Chuman Lal Dureja, Chowk Bazar, Multan City.
 Diwan Chand Bahri & Sons, Rawalpindi.
 Dwarkadas Wadhwa & Bros., Kalaruandi, Multan City.
 Gokalchand Savalram, Katra Ahluwala, Amritsar.
 Hazarimal Shivan Dittamal, Bazar, Jhugian, Kasur, Punjab.
 Hem Chand, Simla.
 India Importing Co., (Regd.), Katra Bhai, Amritsar.
 Ishwar Dass Shri Gopal Santram, Katra Ahluwalia, Amritsar.

**HARI-HOSIERY FACTORY'S BLEACHING & FINISHING
 ARE OF SUPER EXCELLANCE.**

MADRAS CITY.

Oakes & Co., Ltd., 202, Mount Rd., Madras.
Rajagopal Motor Works, General Patter's Road, Madras.

Simpson & Co., Ltd., 34 & 201, Mount Road, Madras
UNITED PROVINCES.
Pioneer Electric Motor & Coach Factory, Cawnpore.

COAL MERCHANTS.

Siri Chand Kapoor & Sons, Babu Mahalla, Quetta.

BENGAL.

Central Coal Coy., Raniganj.
L. K. Mukherjee & Co., Banga-paia, Burdwan.
P. Ray & Bros., Main Road, Asansol.

BIHAR.

B. Asha Shaw, Barh, Patna.
B. Gnga Shahu, Barh, Patna.
B. Mishra Sahu, Barh, Jharia.
Devachand Amulakh Mehta, P.O., Katrasgarh, Manbhum Dt.
Diamond Coal Co., Jharia.
Dinesh Ch Pathak, Jharia.
Durga Shanker & Co., P. O. Jha-ria, Manbhum Dt.
Graphite Coal Co. Ltd., Jharia.
Gheria Panchan & Co., Jharia.
J. Manilal & Co., Jharia.
Kanga & Co. Ltd., P. O. Kusunda, (Manbhum) Br.—Allahabad, Cawnpore, Benares & Lucknow.
Khimp Dossa & Sons, Jharia.
Mohan & Co., Harisava Road, Muzafferpur
Nishi Kanta Chakravarti, Jharia.
P. N. Chatterjee, Nayatala, Ban-kipur, Patna
Popat Lal T. Shah, Jharia, (Manbhum).
S. C. Mukherjee, P. O. Box No. 144, Jharia.
South Bura Coal Co., Jharia, Manbhum.
Waliram & Co., Jharia

BOMBAY CITY.

Bomanji C. Gazdar & Co., 16, Apollo Street, Fort, Bombay.
Chandarana Mohanlal H., Girga-on Gavadi, Bombay No 4.
Choonilal Manilal Ltd., 4, Green St., Fort, Bombay.
Eastern Burkers Ltd, Sudama House, Whittet Road, Ballard Estate, Fort, Bombay.
Gandhi & Co., 34, Meadows Street, Fort, Bombay.

Gordon & Co., Kirti Bldg, Forbes St., Fort, Bombay.
Govindji Madhowji & Co., 16, Apollo St., Bombay.
Chhotalal Jamnadas & Co., 311, Sauthurst Road, Bombay.
Graduate Coal Concern, 19, Hum-mum St., Bombay.
Haji Moosa Haji Aboobaker & Co., 10, Kolra Cross Lane, Py-dhonie, Bombay.
Mandhaviyal & Co., Ltd, Alice Building, Hornby Road, Bom-bay.
Morari Mulraj & Co., Luxmi Bldg, 42, Ballard Rd., Bombay.
Mavji Govindji & Co., Apollo Apollo Street, Fort, Bombay.
Nanavati Vevana & Co., Sudama House, Wittet Road, Ballard Estate, Bombay.
S. D. Shethia & Co., Sorab House, 235, Hornby Rd., Bombay
Vakil Brothers 43, Apollo Street, Fort, Bombay.

BOMBAY PRESIDENCY.

Mulsabhai Ambalal, Vadenasu-deri's Pole, Cambay, Kaira.
Naibada Coal Co., Lallubhai's Chakla, Broach
Shububuddin Mohammed, Con-naught Market, Poona Camp

CALCUTTA.

A. N. Laha & Co., 24, Strand Road, Calcutta.
Amritlal Ojha & Co., Ltd., 3, Clive Street, Calcutta
Apcar & Co., 2, Fairlie Place, Calcutta.
B. Mukherjee & Co., Block No. 3, Commercial Bldgs, Calcutta
Balgopal Das & Co., 137, Canning Street, Calcutta.
Central Mineral Agency, 101/B, Chittaranjan Avenue, Calcutta.
Gillanders Arbuthnot & Co., 8, Olive St., Calcutta.
Ram Narain Satyapal, 22, Can-ning Street, Calcutta.

**HARI HOSIERY FACTORY'S POLICY IS
SMALL PROFIT & QUICK RETURN.**

Kalyani Silk Agency, 158-A, Misser Pokhra, Benares.
 Kargha-Sangh (Regd.), Hardwar.
 Karim Abdulla, Meston Road, Cawnpore.
 Kundanlal Mehar Chand, Bara Bazar, Muzaffarnagar.
 Kunjamul Banwarilal, Rawat-pura.
 L. Ram Dass Balmukand, Bazaza Bazar, Meerut.
 L. Subbha Ram, Etah, U. P.
 Lakhoo Mal Ram Chander, Najibabad.
 Lala Gopi Nath Agarwala, General Ganj, Cawnpore.
 Lamsdulal Shambhu Nath, Kothaparcha, Farrukhabad.
 Madan Mohan Gobind Prasad, Kot Ghazipur.
 Madhuban Prasad, Ballia.
 Mangal Prosad & Sons, Hazratganj, Lucknow.
 Mithan Lal Son, Naini Tal.
 Mohan & Co., Dasswamedh Rd., Benares City.
 Mohini Mohan Kanjilall, Biswanath Lane, Benares.
 Munnalal Jagannath, Moti Bazar, Hathras.
 Nand Ram & Sons, Sudder Bazar, Meerut Cant.
 Farshatimdas Amarnath, Chowk, Cawnpore.
 Pussa Lal Changa Lal, Kothaparcha, Farrukhabad.
 Radhey Lal Damoder Das, Bishram Ghat, Muttra.

Radhey Shiam Tirlok Nath, Katra Ahmedganj, Farrukhabad, U. P.
 Raghuber Dayal Ram Charan, Katra Ahmedganj, Farrukhabad, U. P.
 Rajaram Chhanculal, Jalalpur, Fyzabad. (Gamecha)
 Rajendra Prasad Kapoor Chand, General Gunj, Cawnpore.
 Ram Charan Sat Narain, Chauk, Fatehpur, U. P.
 Ram Lall & Bros., Mallital, Nainital.
 Ram Swarup Jawaherlal, Katra Ahmedganj, Farrukhabad.
 Ramdas Ram Sarup, Nagina.
 Rameshwardas Dwarkaprasad, Kahoo Kothi, Cawnpore.
 Rameshwarlal Gajanan, Kot, Ghazipur.
 Ramkumar Rameshwardas, Kabukothi, Cawnpore.
 Ramnarayan Kishandayal, Kahooki Kithi, Cawnpore. (Also at Jubbulpur, Amritsar).
 Sarjoo Saian Ram Bharose, Bazaza, Fyzabad.
 Shambhu Nath Bhola Nath, Kothaparcha, Farrukhabad.
 Shyamlal Baikunthnath, Seoka-Bazar, Agra. Br — Raja Mundl, Agra.
 Swaiup Brothers, Parade, Cawnpore.
 Tula Ram Pancham Lall, Gandhi Road, Jhansi City.
 Zafar & Co, Gorakhpur.

COACH BUILDERS.

BIHAR.

Patna Coach Works, Bankipur, Patna.

BOMBAY PRESIDENCY.

Fakirbhai Purshotam, Bechari Rd., Bulsar, Surat.

CALCUTTA.

Allen Berry Co., 24, Park Street, Calcutta (Motor Body).

Canton Carpentry Works, 14, Tangra Road, Entally, Calcutta (Car, & Bus Body).

Cook & Co., 9, Store Rd., Ballygunge, Calcutta.

Eastern Motor & Coach Works, 10-5, Nebutala Row, Bowbazar, Calcutta.

Great Indian Motor Works Ltd., 12, Govt Place E, Calcutta (Motor Body).

Hing's Carpentry Works, 36, Middle Rd., Entally, Calcutta.

Indian Standard Wagon Co. Ltd., 12, Mission Row, Calcutta.

KARACHI.

A. M. Sodawaterwalla, Napier Road, Karachi.

Abdool Hussain Moosaji & Sons, Garden Road, Karachi.
 Cheena Umarsi, Bunder Road, Karachi.

LAHORE.

M. Ahmad Din, Outside Taxali Gate, Lahore (Hood Sticks).

**HARI HOSIERY FACTORY'S POLICY IS
 SMALL PROFIT & QUICK RETURN.**

| | |
|--|--|
| Dandot Gambhara & Ara Colliery, Dandot, Khewra, Jhelum. | Khas Gobindpur Coal Co., P. O. Katrasgarh. |
| Deoli Coal Co., Ltd., Dishergarh. Chowrassi, Manbhumi. | Khas Jinagora Colliery, Jharia. |
| Dhemo Main Collieries, Ltd. Dishergarh, Burdwan. | Khas Jharia Colliery Co., Ltd., Jharia, Manbhumi. |
| Dutt Nephew Coal Co's Bindabanpur Colliery, Mugma, Manbhumi. | Khas Pandedih Colliery, Siyua, Loyabad |
| East Indian Coal Co., Ltd., Kusunda, Loyabad. | Khoodia Coal Co., Khoodia Colliery, Mugma, Manbhumi. |
| East Nandi Colliery, Toposi, Burdwan. | Lakunka Coal Co., Ltd., Lakurka, Katrasgarh |
| Ekra Khas Colliery, Bansjora, Manbhumi. | Lodna Colliery Co., Lodna. |
| Equitable Coal Co., Ltd., Dishergarh, Burdwan. | Lower Jayrampur Colliery, (Ghala Panchan & Co.), Jharia. |
| Ghusick & Muslia Collieries, Ltd., Kalipahari, Burdwan. | Marine Coal Co., Ltd., Kasunda, Manbhumi |
| Goenka Coal Co., Toposi, Burdwan. | Makerwal Colliery, Trag, Mianwali |
| Gopalchuk Coal Co., Ltd., Kusunda, Manbhumi | Minto Coal Co., Ltd., Nadi, Ukhara, Dist. Burdwan. |
| Govindpore Coal Co., Ltd., Katrasgarh, Manbhumi. | Mundulpoor Coal Co., Ltd., Dishergarh, Burdwan |
| Hirdagarh Collieries Ltd., Cook's Bldg., 84, Hornby Road, Fort, Bombay. | National Coal Co., Golpur, Jhelum |
| Hurridih Coal Co., Ltd., Dishergarh, Burdwan. | Nazira Coal Co., Ltd., Kongon, Naga Hills |
| Hyderabad (Deccan) Co., Ltd., Hyderabad, Deccan | New Beerbhoom Coal Co., Ltd., Burdwan |
| Huntodih Coal Co., Ltd., Mohuda, Manbhumi. | New Manbhoom Coal Co., Ltd., Gasitani Colliery, Siyua. |
| Industry Coal Co., Ltd., Jharia. | Newton Chikli Collieries, Ltd., Parasia, C. P. |
| Jagannath Coal Co., Ukhara, Burdwan. | North Bansjora Coal Concern, Bansjora |
| Jote Dhemo Colliery Co., P. O. Ukhara, Burdwan, Mg Agents. | North Burrakpur Co., Ltd., Jharia. |
| Amritlal Ojha & Co., Ltd., 11, Clive Street, Calcutta. | North Damuda Coal Co., Ltd., Nudkurkee, Jamuniatand, Manbhumi. |
| Kalipahari Coal Co., Ltd., Damra Colliery, Kalipahari, Burdwan. | North West Coal Co., Ltd., Jharia, Manbhumi |
| Kanga & Co. Ltd., P. O. Kusunda, (Manbhumi). Br.—Allahabad, Cawnpore, Benares & Lucknow. | Ondal Coal Co., Ltd., Chora, Burdwan |
| Katras Jheriah Coal Co., Ltd., Charanpur, Jamuria. | Pandeberra Colliery Co., Jharia. |
| Kendwadih Colliery, P. O., Nowagarh, Sindih. | Pench Valley Coal Co., Ltd., Parasia, C. P. |
| Kajora Coal Co. Ltd., Labpur, Birbhumi. | Punjab Coal Co., Ltd., Chittidand, N. W. Rly. |
| Khas Basra Coal Concern Ltd., Jharia. | Raneegunge Coal Association, Ltd., Kusunda, Manbhumi |
| Khas Bhagatdih Colliery Co., Jharia | Rewa Coalfields, Ltd., Umaria Colliery, B. N. Rly. |
| | Sania Collieries Ltd., Pandaveswar, Burdwan. |
| | Seepore Coal Co., Ltd., Charanpur, Burdwan. |
| | Sendra Bansjora Colliery Syndicate, Bansjora, Manbhumi. |

AMRITA PROLEP—For Sinus, Gangrene, Ulcers, Injuries etc.
ELECTRO AYURVEDIC PHARMACY, College Street Market, Calcutta.

S. D. Mehta & Co. Ltd., 50, Ezra Street, Calcutta.
 Villiers Ltd., B-8, Clive Bldgs, Clive St., Calcutta.

CENTRAL PROVINCES.

H. S. Zahruddin, Chitnavisganj, Chhindwara
 P. R. Oak, Akola, Berar.
 Sarjoo Prasad Sharma, Hanu-mangunj, Katni, Jubbulpore.

DELHI.

Endley Bros, Chandni Chowk, Delhi
 J. R. Dinkara & Son, Dinkara Bldg, Nai Bazar, Delhi.
 Raj Krishen Prem Chandra Jain, Ajmere Gate, Delhi
 Sundar Lal Jain, Lahori Gate, Delhi

INDIAN STATES.

Adamji Jiwaji, Near Imperial Bank, Rajkot CS Kathiawar.
 Dharamshi Som Chand, Nani Bazar, Wadhwan Camp, Kathiawar.

COAL MINES.

Adjal Coal Co., Ltd., Nandi, Jamunia, E I Rly
 Aldih Coal Co. Ltd., Dishergarh, Dt Burdwan
 Amalgamated Coal Fields, Ltd., Parasia, Chhindwara
 Apcar Colliery Ltd., Charanpur, Asansol
 Ballihari Colliery, Co., Ballihari, Jharia
 Bansdeopur Coal Co., Ltd., Kusunda, Manbhum.
 Bansra Coal Co., Ltd., Toposi, Burdwan
 Baraboni Coal Co., Baraboni.
 Bararee Coke Co., Ltd., Kusunda, Manbhum
 Bazaj & Co's Kusum Kanally Colliery, Manbhum
 Begonia Colliery, Barakar, Burdwan
 Bengal Bhatdee Coal Co., Ltd., Mohuda, Manbhum.
 Bengal Coal Co., Ltd., Sanetoria, Seetalpore, Sodepur, Deep Sodepur, Chota Dhemu, Poldih, Parbella, Giridih, Palamaw, Jheria, Hutar

KARACHI.

Cowanjee & Sons, Keamari, Karachi.

MADRAS CITY.

Binnay & Co., Ltd., Aimenian St., Madras
 Madias Coal and General Agency, 2nd Line Beach, Madras,
 South India Export Co, McLean St., Broadway, Madras

PUNJAB.

Jhaman Das & Sons, Chowk Bazar, Multan City
 Punjab Coal Co., Cart Road, Simla
 Simla Coal Co., Near Rly. Goods Shed, Simla.

UNITED PROVINCES.

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 Sunder Lal Kailash Babu, Sadhwara, Farrukhabad.
 Suraj Pd Tandon, Khatramba, Farrukhabad
 Union Coal Co., 177, Bazaza Park, Lucknow.

Bengal Giridih Coal Co., Ltd., Giridih, E I Rly.
 Bengal Nagpur Coal Co., Ltd., Bhuggudih Colliery, Jharia
 Bhagratih Ghusick Coal Concern, Kalipahari, Burdwan
 Bhalgora Coal Co. Ltd., Jharia.
 Birbhum Colliery Co., Ltd., Lab-pui, Birbhum
 Bhulanbararee Coal Co. Bhulanbararee, Pathardihi, Manbhum.
 Bokaro and Ramgur Ltd. Bokaro, Hazaribagh
 Bolompore Coal Co. Ltd. Raniganj, Burdwan.
 Borrea Coal Co., Ltd., Salanpore, Via Sitarampore, Burdwan
 Budioochuck Coal Mining Co., Ltd., Suja, Manbhum.
 Bura Dhemu Coal Co. Ltd., Sitarampore, Burdwan.
 Buirakar Coal Co., Ltd., Agts. Bird & Co., Chartered Bank Bldgs, Calcutta.
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 M. Lachai Setty & Sons, Chikmagalur, Kadur, Mysore State
 M. Rebello & Sons, Mangalore.
 Mahaveera Coffee Works, Hassan, Mysore.
 Malabar Coffee Company, Alleppey.
 Malayalam Plantations Ltd., Quilon, Travancore
 Mamally Coffee Works, Feroke, Malabar.
 Mysore Coffee Works, Chikmagalur, Mysore.
 National Coffee Works, Chikmagalur, Mysore.
 Nilgiri Plantations Co Ltd., Coonoor, Nilgiris.
 Ochterlony Valley Estates, Ltd., New Hope, Nilgiri-Wynaad
 Porter Hall & Co., Santaveri, Kadur, Mysore.

R. Arunachala Naidu, Vayittiri, Malabar-Wynaad.
 Radha Krishna Coffee Works, Hassan, Mysore
 S. R. & Company, Navi Peth, Sholapur.
 S. Subbanna Shetty & Sons, Chickmagalur, Kadur, Mysore.
 Shevaroy Coffee Growers Co., Yercaud, Shevaroy.
 Shree Krishna Coffee Works, Chickmagalur, Mysore.
 Shree Manjunath Coffee Works, Chickmagalur, Mysore
 Shree Manjunath Coffee Works, Chickmagalur, Mysore.
 Spi Coffee Power Mfg Co., Chickmagalur, Mysore.
 Sri Krishna Coffee Works, Chickmagalur, Mysore.
 Sringeri Subbanna Setty & Sons, Chickmagalur, Mysore
 T. Stanes & Co Ltd., Coimbatore.
 United Coffee Supply Co., Ltd., Coimbatore
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 V. M. Bros., Chickmagalur, Kadur, Mysore.
 Volkart Bros., Mangalore.

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 Sha Nensi Rajpal & Co., 374, Katha Bazar, Bombay. (Also Coir Ropes).

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Shri Bhagwan Sharma & Bros., Burn Bastion Road, Delhi.

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 Aspinwall & Co., Ltd., Cochin.
 Bombay Co., Ltd., Cochin.
 Bombay Company Ltd., Alleppey, Travancore.
 C & D. Nariswalla Bros. Alleppey, Travancore.
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 Commercial Industrial Agency, Alleppey, Travancore.
 Empire Coir Works, Alleppey, Travancore (Also Rugs)
 General Supplies Agency, Alleppey, Travancore
 Imperial Coir Works, Cochin.
 Indian Coir Manufacturing Co., Alleppey, Travancore (Stencilled Rugs).
 John D'Cruz's Coir Factory, Palluruthi, Cochin
 Joseph Panjikaran, B.A., B.L., Asstt Addl Head Sirkar Vakil, Trivandrum, (S India).
 K. M. Cherian, Coir Factories, Alleppey, Travancore
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than, Manbhum.
Singareni Collieries Co. Ltd,
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bad, Deccan
Standard Coal Co, Ltd., Jharla,
Manbhum
Talchar Coalfield, Ltd., Talchar,
Orissa

Tirhut Coal Co., Jharla.
Union Coal Co. Ltd, Angarpa-
thia Colliery, Katrasgarh, Man-
bhum
Upper Jeenagora Colliery, Jharla.
West Jamunia Coal Co., Ltd.
Jamunia, E I Rly.
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Colliery, Nishachati, Mugma,
Manbhum.

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B. Sangappa & Sons, Anantapur
Benode Behary Ghose, Nawapara,
Jessore.
Chitralla Bahah Setty, Adoni.
Bellary Dt.
Gangalu Yeriappa & Venkata-
Narayanappa & Co. Timmana-
cherla.
Govindji Padamshi, 368, Katha
Bazar, Mandvi, Bombay 9.
Hajee Ismail & Bros, Khuina.
Kareem Ahmed Sait, Bangalore
Road, Bellary (Also Coir)
Kuchi Rajeswara Sastry, Mun-
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Kota Punniah & A. Rungiah,
Guntur.
Lakshmi Kanta Dutta. Damodar,

Khuina.
Maddury Brother, Innespet, Raj-
ahmundry
Munagala Ramiah Sons, Bezwada,
Kistna
O Chinnabamppu, Arsikere, Dhar-
war.
Pimjee Kethsee & Co, Near Po-
lice Line, Cochin
Rachuty Veeianna, Adoni,
Bellary Dt
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Sanjevappa & Sons, Adoni.
Sha Govindji Padamshi, 368/373,
Katha Bazar, Mandvi, Bombay
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cut & Badagara
Sontha Sinappa & Sons, Bellary.
Veerappa Andanappa Agadi, Bank
of India Building, Kalbadevi
Road, Bombay

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Ananda Coffee Tablet Works,
Chunnambukara St, Vellore, N
Arcot Dt
Anoor Estates Ltd, Joladalu,
Kadur
Anupura Coffee Works Co, Ltd,
Coimbatore
Bayly & Brock, Ltd, Donnington,
Kotagiri, Nilgiris (Also Tea).
Bhadra Valley Estates Ltd, Kala-
sa, Kadur, Mysore
Bharathamatha Coffee Works,
Chikmagalur, Mysore
Chonadung Coffee Curing Works,
Tellicherry, Malabar
Cochin Malabar Estates Ltd,
Nilambur
Coimbatore Coffee Curing Works,
Tellicherry, Malabar.

Coimbatore Coffee Works, Kan-
kanady, Mangalore
Coffee Curing Works, Mangalore
Consolidated Coffee Estates Ltd,
Pollibetta, Coorg
Coorg Coffee Estates Ltd, Som-
warpett
D Md Jaffar, Chikmagalur,
Mysore
Elk Hill Coffee Estates Ltd,
Sidapur, Coorg.
Gill Coffee Works, Chikmagalur,
Mysore
Gorahatti Coffee Estate, Gorahat-
ti, Mysore
Gudalur (Nilgiri) Tea & Coffee
Estates Ltd, New Hope, Nilgiri-
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 Manji Gowamal, Jharla, Manbhumi.
 McLeod & Co., McLeod House, 23, Dalhousie Sq., Calcutta.
 N. H. Ojha & Co., 37, Canning Street, Calcutta.
 Octavius Steel & Co., 14, Old Court House Street, Calcutta.
 P. Jagmal & Co., Jharla, Manbhumi.
 Planters' Stores & Agency Co. Ltd., 11, Clive St., Calcutta.

Pure Jharla Colliery Co., Jharla.
 Rao Bahadur D. D. Thacker, Jharla.
 Ramji Purushottam, P. O. Jharla, Manbhumi Dt.
 S. N. Ghosh & Co., Barakar, Burdwan.
 Shaw Wallace & Co., 4, Bankshall Street, Calcutta.
 Shiavax Cumbata & Co. Ltd., Cook's Building, Hornby Road, Fort, Bombay.
 Turner Morrison & Co., Ltd., Lyons Range, Calcutta.
 Universal Trading Co., 33, Canning St., Calcutta.

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 India Celluloid Works, Ltd., 27, Kankurgachi 3rd Lane, Cal.

Jessore Comb Industry Co., Jessore
 Jessore Comb, Button & Mat Mfg. Co., Ltd., 20, Lal Bazar St., Cal.
 "Kiron Products" Jessore Combs & Celluloid Works, Jessore.
 P. Shankerji & Co., 99, Shivala, Cawnpore

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 K Chatterjee, M Sc, 22, Bhagathi Lane, Serampore, Hooghly.
BIHAR.
 Anantram Gupta, Ideal Painting & Signboard Writing Works, Khajekalan, Patna City.
 Art Studio, Kalyan, Muzaffarpore.
 Barnwal Trading Co., Dudhapura Bazar, P. O. Mangalgarh, Darbhanga.
 Gulab Lall & Sons, Chittartoll Road, Arrah, Shahabad Dt. (Sign Board & Tin Printing).
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Travancore Coir Mills, Alleppey, Travancore.

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Narayana Goundan, Vehankod, Ponani, Malabar.
Tillapnambra Coir Yarn Works, Calicut, Malabar.
Volkart Bros., Hydraulic Coir Press, Calicut, Malabar.
William Goodacie & Sons, Ltd, Calicut, Malabar

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E S. Hajee, 12, Sembudoss Street, G T, Madras
G C Ghose's Collapsible Gates & Iron Works, 9, New Bowbazar Lane, Calcutta

Howell Engineering, 23, Middle Road, Entally, Calcutta.
Indian Pump Co., 8, Prince Anwar Shah Road, Tollygunge, Calcutta.
Paris Collapsible Gate Co, 16/1A, & 17, Beadon Street, Calcutta.
S. A Mochhhala & Co., 14, Clive Street, Calcutta
Sharma Engineering Works, Kadamkuan Road, Patna

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J Mayr, 1, Mission Row, Calcutta
McGavin & Co, 30, Strand Road,

Calcutta
S. N. Mukherjee, 22, Canning St., Calcutta
Sikri & Co, 55, Canning Street, Calcutta

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A P. Dutt, 68, La Touche Road, Lucknow
Amritlal Ojha & Sons, Rahman Bldgs, Churchgate St, Fort, Bombay
Anderson Wright & Co, 22, Strand Road, Calcutta
Andrew Yule & Co, 8, Clive Row, Calcutta
B Hazra & Co., Somdi, Burdwan
Bajunath Jugalkashore, 26/3, Armenian Street, Calcutta
Balmer Lawrie & Co. Ltd. 103, Clive St., Calcutta
Banerjee & Co, 7, Swallow Lane, Calcutta.

Best & Co 1st Line Beach, Madras
Bholanath Das & Co, Joba, Burdwan.
Bird & Co. Chartered Bank Bldgs, Clive Street, Calcutta
Durgadass Ruplal, P.O. Jharia, Manbhum Dt
F W. Heilgers & Co. Chartered Bank Bldgs, Calcutta.
H V Low & Co, Ltd, 3, Synagogue Street, Calcutta
Hirdagarh Collieries Ltd, Cook's Bldg, 324, Hornby Road, Fort, Bombay.
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Bhogilal Hirajal Shah & Co., P.O. Box No. 713, Bombay.

Chandulal & Brothers, Iron Market, Carnac Bunder, Bombay 9
Cotton Agents Ltd, 51, Esplanade Road, Fort, Bombay.

D. R. Mehta & Sons, P.O. Box 251, Bombay.

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Dagoph Agency, 302, Kalbadevi Road, Bombay 2.

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Doongarsi Gangaji & Co., 84, Musjid Bunder Road, Bombay.

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Harbilas Ganga Dutt, 220/24, Kalbadevi Rd., Opp Nai Narayan Temple, Bombay.

Jose G. Rodriguez, 53, Jumna Bldg, Carnac Road, Bombay 2.

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Karsondas Ranchhor Das, 60, Bazar Gate Street, Fort, Bombay.

L. Uttam Chand & Co., 81A, Princess Street, Bombay 2.

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Narayanrao Kulkarni & Co., 20, Humum Street, Fort, Bombay.

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Sorabjee Pestonjee, 5, Contractor Bldg., Sussex Road, Parel, Bombay.

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Nuair Service, 12, Mercantile
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Calcutta.

Publicity Studio, 367, Upper Chit-
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Narain Bhattacharjee Lane,
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Rahmeth & Co, 10, Municipal Market Road, Nellore

S. Subbaroya Gupta, Long Road, Dindigul, Madura Dt

Sree Sarada Industrials, Bhavani, Via Erode, S. I. Ry. (Artificial Silk & Cotton Carpet).

✓ Sri Ramkrishna Trading Co, Narasaraopet, Guntur Dt

T. A. Samudoo Pillay, Palakaro, Trichinopoly.

T. J. Arunachalam Pillai, Dindigul

United Motor (Coimbatore) Ltd., Avanashi Road, Coimbatore.

V. Murugam, Kanakurpet West St, Chidambara, S Arcot.

N. W. F. PROVINCE.

Amirchand Harichand, Haripur, Hazara City.

C. S. Deva & Son, 187, Hazara Trunk Road, Abbottabad.

Ch. Nathu Ram & Sons, Khairah Ram Bldgs., Abbottabad.

Dukhhannan Ram & Sons, Dera Ismail Khan

Mamooji Alibhoy, Hakim Jee Bldg, Abbottabad.

AMRITA LAHARI—A Wonderful Restorer of lost Vitality & Energy.
ELECTRO AYURVEDIC PHARMACY, College Street Market, Calcutta.

Gangjee Sajun & Co., 11, Clive Street, Calcutta.

Gillooiam Gaurishanker, 21, Banu-tolla St., Calcutta.

Hajee Ismail Sait, 25, Hainbari Lane, Calcutta

Hakim Industrial Works, 48B, Paddapukui Road, Calcutta (Hakim's Inks).

Himalayan Musk Depot, 118, Harrison Road, Calcutta Head Office Nepal

Indo-British Trading Co., 107, Canning St., Calcutta

Karim Bux & Elahi Bux Bros., 58-4, Canning Street, Calcutta.

Klubchand Jugraj, 39, Armenian St., Calcutta

P. B. Shah & Co., 26, Clive Street, Calcutta Br —113, Manohar-das Chuk & 11/A, Radha Bazar Lane, Calcutta.

R. J. Bawa, 1, Mandir Street, Calcutta.

Ram Surat Singh, 1-A, Sovaram Bysack Street, Calcutta.

Ryan & Company, 3/1, Mangoe Lane, Calcutta.

S. N. Dey, 9, Bonfield Lane, Calcutta.

Surajmull Muulidhar, 28, Amra-tolla St., Calcutta.

Surajmull Uttam Chand, 35, Armenian St., Calcutta

Taraknath Mool Chand, 1-A, Sovaram Bysack St., Calcutta.

CENTRAL INDIA.

Kerawalla & Co., Station Road, Mhow, C I

CENTRAL PROVINCES.

Bala Prashad Khamparia, Hanu-manguni, Katni, Jubbulpore.

Bhagnathi Sobha Ram, Sadar Baza, Bilaspur

Ghunmine Bros., Chota Bazar, Ellichpur Camp, Amraoti

Harjwan & Sons, Gunjipura, Jubbulpore

Pratap Chand Ohhogmal, Itwari Bazar, Nagpur City.

Seth Ram Kanan Hanuman Bux, Hinganghat, Wardha.

Siddesar & Sons, Bandubpur, Damoh.

Thakur Prasad Dasadin, Niwar Ganj, Jubbulpore.

Vishwambhar Singh Rahmat Singh, Katni, Jubbulpore.

DELHI

Benarasidass Naraindass, Kacha Bagh, Delhi

Gangotri Commercial House, Nai Sarak, Delhi.

Nathuram Mathura Prasad, 157, Cloth Market, Delhi

INDIAN STATES.

Abdulla Bros., Gilgit, Kashmir.

Ashed Bros., Union Press Bldg., Cochin.

Amthabhai N Gandhi, Ghadiali Pole, Baroda

Bajajal Ram Prasad, Amarpatan Rd., Satna, Rewa State

Beni Perashad & Sons, Kashmir House, Ajmer (Glassware, Jars & Tiles).

Chhaboodal Sangamlal, Jatwar, Near Satna, Rewa State

Commission & General Agency, Al Bldg., Nagarhapet, Banga-lore City.

Daulat Ram Nandlal, Gilgit, Kashmir.

Dhannalal Mool Chand, N T Cloth Market, Indore City.

Ganeshi Lal & Sons, Jodhpur

Gargeya & Son, Gargeya Niwas, Beawar, Rajputana

Gulab Dass Gopi Nath, Jodhpur

Gulabchand M. Vavishi, Naher Kantha, Jamnagar, Kathiawar.

H P Saxena & Bros., Katki Chowki, Kotah

K J Lazar, Hinjalakuda, Cochin State (Malabar Produce)

Laladhai Gaya Prashad, Bhopal

M. C. Bakliwala & Bros., Sarafa Bazar, Lashkar, Gwalior.

Mathur General Agency Standard, Jodhpur.

Mehta Baghat Kanyal Nain, Bhabian Bazar, Bahawalpur

N G Agency, Post Box 167, Karachi

Rajasthan Trading Co., Beawar, Rajputana

Ram Lal Ganpat, M. T. Cloth Market, Indore City.

Ramkumar Surajbakhsh, Jaipur.

Sanghi Bros., Jodhpur.

Shapoorji & Sons, Main St., Mhow, Indore State

Shiv Lal Kishan Lal Kuchaman-wala, Jodhpur.

Somchand Dharsi, Satna, Rewa State

FOR ANY FEMALE TROUBLE CONSULT—
ELECTRO AYURVEDIC PHARMACY, College Street Market, Calcutta.

Mahabur Singh, Prop K K. Stores, Ahraura, Mirzapur.
 Maikoo Lal Chhadami Lal, B B. Gauj, Fairukhabad
 Mail Order Company, Jalalpur, Fyzabad, U P
 Mewa Ram Sahdeo Prasad, Maunath Bhanjan.
 Mohanlal Jwala Prasad, Moh. Laxmiganj, Kasganj.
 Murarlal Banwarilal, Aligarh.
 Naram Das Gopal Das, Dwarkadhish Road, Pilikoth, Cawnpore.
 Naraindas Purshotam Das, Moti Bazar, Hathras
 National Printing House, Khair Nagar Gate, Meerut, U. P.
 Nigam & Sons, Manick Chowk, Jhansi.
 Parmeshwari Das Jain, Generalganj, Cawnpore.

CONDIMENTS MANUFACTURERS & DEALERS.

BENGAL.

D. C Bhaumic & Co, Suri, Birbhun. (Pickles, Morabbas).

BOMBAY.

Jehangir J. M Poonjajee, G.P.O. Box No 20, Bombay.
 Muncherji Maneckji Poonjaji & Co., 51-61, First Marine St, Dhobitalao, Bombay.

CALCUTTA.

Bengal Canning & Condiment Works, Ltd., 3, Gurudas Dutt Garden Lane, Calcutta
 Farmer's Preserve Works, 25, Robert Street, Calcutta.
 Great Eastern Condiment Works, 83/C, South Road, Entally, Cal.
 Murshidabad Dairy, 84, Cornwallis Street, Calcutta (Also Chutney & Condiments).
 Saroj Chemical Works, 99/3, Ganing Str., Calcutta.
 Shadwell's Condiments, 73, Wellesley St, Calcutta
 Sreekissen Dutt & Co., 33-2, Middle Road, Entally, Calcutta. (Also Jams & Jellies).
 Tiger Chemical Works, 44/4, Canal East Rd, Cal (Syrup).

CENTRAL PROVINCES

R R Daroowalla Sons, Sheogaon, Berar, Buldana, Berar.

Prasidh Narain Anand, 93, Chowk Gangadas, Allahabad.
 Protap Narayan Bros., Railwayganj, Cawnpore
 R. K Mehrotra & Sons, Raja Building, H. A. Ghani Road, Cawnpore.
 Ramprasad Baijnath, Halauganj, Mutia.
 S. R. Mehrotra & Co., Hardwar.
 Sarnimal Dhoomsingh Nagalia, Dehra Dun, U. P.
 Sheo Ram Gopi Ram, Ballia.
 Shub Pada Bose, 11, Sarojini Debi Lane, Lucknow.
 Tandon & Co, Sondhitla, Chowk, Lucknow.
 Tansukhran Anandran, Ballanganj, Agra.
 Teppal, Ballia.
 Yadram Gupta & Co, 14-30, Kala St, Aligarh (Matches, Glass).

DELHI.

Mohan & Co, Ltd, Connaught Place, New Delhi. (Lemon Orange)

INDIAN STATES.

Appavoo Pillay Chettiar, P. O. Thiruvettar, S Travancore
 Aundipichai Chettiar, Thiruvettar P. O, S. Travancore

MADRAS CITY.

C M Subramanyam, 15, Karim Mohudeen Saib Street, Narasingapuram, Madras.
 Condiments Manufacturing Co, Poonamalle Road, Madras.
 G Sirur Agency, 144, Broadway, G T, Madras
 P. Venkatachalam, 1 & 2, Popham's Broadway, Madras

MADRAS PRESIDENCY.

Martha Home Industry, Codialball, Mangalore (Pickles).
 Sebastian David, P. O. Vadakan-gulam, Tinnevely (Also Snuff)

PUNJAB.

Himalayan Food Packers Ltd. Amritsar, Punjab

RAJPUTANA.

K. C Mehta & Co, Nasirabad, Rajputana (Fruit Syrup).

ELECTRO BALM—FOR ALL SORTS OF PAIN—
ELECTRO AYURVEDIC PHARMACY, College Street Market, Calcutta.

Seth Sohna Lal Harbanslal, Mahkura Road, Nanda, Abbottabad.

ORISSA.

Bachu Lal & Co, Motiganj, Balasore.
 Chaitan Charan Das, Naya Bazar, Bhadrak.
 Cuttack V. P. Stores, Balu Bazar, Cuttack.
 Haji Zaimul Abedin & Co, Purna Bazar, Bhadrak
 Hiralal Badridas, Rekabi Bazar, Kendrapara, Cuttack.
 Jagusahu & Sadhu Behera, Guinagar, Kendrapara, Cuttack.
 Muralidhar Gopikushen. Adar Bazar, Balasore
 Narsingh Charan Sahu, Tulsi Bazar, Kendrapara, Cuttack
 Orissa Trading Agency, Cuttack.
 Ram Prasad Saima, Gumui Market, Baipada

PUNJAB.

Amir Chand Ram Chand, Saragodha.
 Continental Trading Co, Katra, Jamal Singh, Amritsar
 Devi Ditta Mal Ram Kishan, Saragodha
 Ditta Mall Gobind Ram & Sons, Gobindram St., Gobindram Bldg., Sialkot City.
 Diwan Chand Prem Nath. Warburton, Sheikhupura
 Gangram Jagannath, Katia Bhat, Amritsar.
 Hummat Rai & Sons, Block 6, Dera Ghazi Khan
 Jafram Singh & Co, Chowk-Mannasingh, Amritsar.
 Jangra Commercial Agency, (Regd.), Ludhiana.
 Kashi Ram Pusan Chand, Sialkot
 Lachman Das Chadha & Sons, Wazirabad, Gujranwala.
 Laxmichand Talakchand Mehta, Pathar Sadak, Faisalpur.
 Loko Ram Jawala Dass, Saragodha.
 M A Amar & Co, Dhab & Gali Khatekan. Amritsar. Br.—Lahore.
 M L Makhiya & Sons, Chowk Bazar, Multan City.

Makhan Mall Amrit Chand, Saragodha.

Man Singh & Co, Panthic Press Building, Hall Bazar, Amritsar. Br.—Lahore, Dehra Dun.

Mohan Lal & Co, Inside Park Gate, Multan City.

Munshi Ram Harbans Lal Aggarwal, Tarn Taran, Amritsar.

Paul & Co, Katra Jaimal Singh, Amritsar.

Pioneer Commercial House, Grand Tink Road, Amritsar
 S. Amar Singh, Dharamsala, Kangra, Punjab

Sethi Brothers, Office Hira Mandi, Ferozepore City, Punjab

Tulsiram Kidarnath Aggarwal, Gujranwala, Punjab (Rice & Grain).

UNITED PROVINCES.

Ajgun Singh Dudhi Singh, Deoria, Gorakhpur.

Ajora Brothers. Bombay Bazar, Meerut

Banshudhar Radhamohan, Sikohabad, Mainpuri.

Bhagwan Dass Chander Bhan & Co, Rawatpara Road, Agra

Bishun Dayal Vishwa Nath, Bazar Jhumma, Farrukhabad

Budh Sen Madho Prasad, Naya-ganj, Hathras

Central Commercial Bureau, 1, Stanley Road, Allahabad

Chandra Gopal Misra, Sahebganj, Fyzabad

Chhunnalal Inder Bhan Sadh, Sadhwa, Farrukhabad.

D N Bhargava & Co, Wellesley Ganj, Mirzapur

Haji Mahboob Buksh Ehsan Elahi, Meston Road, Cawnpore

Jagrup Bashulal, P O. Pura, Fyzabad

Kargha-Sangh, (Regd.), Hardwar.

Prop S R. Mehrotra & Co, Kashi Prasad & Co, Chawk Benares City. (Cloth, Match).

Kerorimal Kanshiram, Kasirganj, Meerut City

Khan & Khan, Bagha Maniram, Cawnpore

Khanna & Co, Post Box No. 1, Allahabad, U.P.

Lani & Co, P.O. Box 74, Cawnpore

JARAYU MANJURI—A SURE REMEDY FOR FEMALE DISEASES
ELECTRO AYURVEDIC PHARMACY, 648, College St. Market, Calcutta.

Nanik Chemical Works, Bunder Rd., Karachi

LAHORE.

Punjab Confectionery, Union Str., Outside Shahalmi Gate, Lahore
Ram Lal & Sons, Sweets Stall, Inside Shahalmi Gate, Lahore.

MADRAS PRESIDENCY.

Madura Confectionery Works, Madura

Southern India Confectionery Factory, Kumbakonam, Tanjore.

PUNJAB.

M. Yasin Khan, Syal Bldgs., Ferozepore, Punjab

Sugar Coated Confectioner, Tan Sen House Ltd., Jalaipur Jattan

SIND.

J. B. Mangharam & Co., P. Box

32, Sukkur, (Sind). B. —Naya Bans, Delhi, (Biscuits and Toffees)

UNITED PROVINCES.

B. L. Meetal & Sons, Chaibagh, Lucknow. Br.—Bareilly Jn

Barnett & Co., Allahabad.

Biyo Confectionery Works, The Mall, Cawnpore.

Industrial Research House, Near Bishambhar Place, Sheo Chandra Lal Road, Allahabad (Sweet Drops).

Lucknow House, Vally Bazar, Meerut City.

S. Elahi Buksh & Son, Drummond Road, Agra.

Valerio (Cawnpore) Ltd., Cawnpore

CONTRACTORS.

(Also see under Engineers).

A. K. Salkar, 4, Hastings Street, Calcutta (Building).

A. K. Sanyal, 1, British Indian Street, Calcutta (Building).

A. Natesan & Co., Pollachi, S. I. (Forest Contractor)

Azad Khan, Malikpura, Abbottabad

Bhagat & Sons, Siwal Fort Road, Bombay.

Bhagat & Sons, Siwal Fort Road, Bombay.

Bhutta Brothers, Nizamabad, Via Wazirabad, N.W.R. (Punjab)

Butto Kristo Neogi & Co., 73, Radha Bazar Street, Calcutta

C. Daivasi-Gaman Mudalliar & Sons, Govt. Bldg., Kolar Gold Field, Kolar. (Mining Contractors)

C. H. Shambulingappa & Bros., 27, Mills Road, Bangalore City

Chaman Lal & Son, Muttra Cantt

Chiranjil Lal & Co., 34, Church Road, Muttra Cantt

Des Raj & Sons, Kasauli, Punjab (Motor Contractor).

Diwan & Co., Gadag, Dharwar Dt.

Fakirji Rustomji & Sons, Carnac Bridge Goods Station, Bombay.

G. R. Sethi, B. A., Hall Gate, Amritsar (Army Contractor).

Gurdial Singh Sirmukh Singh, Moh Khurbura, Dehra Dun.

Hafiz Ahmad Husain, Najibabad, U. P. (Military Contractor).

Haji Mahboob Buksh Ehsan Elahi, Meston Road, Cawnpore

Hari Singh & Son, Sardar, Jubulpore City.

Hindustan Construction Co. Ltd., Phoenix Bldg., Ballaid Estate, Fort, Bombay

J. M. Chatterjee, Nayapara, Sambalpur

K. B. Safdar Hussain, Najibabad, U. P. (Forest Contractor)

L. Dasuam, Dera Ismail Khan, N. W. F. Province

Lachman Prasad, Kanauj, U. P. (Drugs Contractors).

Lahiri Engineering Company, 53, Rash Behari Avenue, Calcutta.

M. L. Dahanukar, Shri Krishna Nivas, Kalbadevi Road, Bombay

Madhab Chandra Dey, Babugunj P. O., Hooghly.

Mukandlal Bal Swarup, Dehra Dun.

Muncherni Vadilal & Co., Cotton Depot, Mazagaon, Bombay.

(Carting)

Munshi Ram Kashinath, Dandipuri, Dehra Dun.

Mutual Benefit Engineering Agency, "Bijay Bai," 89, Hous

Katra, Benares City

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CONFECTIONERY MANUFACTURERS & DEALERS.

BENGAL.

- A. C. Wallace, Station Road, Chittagong.
 Kaviraj Goswami's Ayurvedic Pharmacy, Malda, (Bengal), Br — Calcutta & Benares (Medicated Lozenges for Worm & Cough)
 Madhusudan Das, Nator, Rajshahi (Sweetmeat).
 Rash Behari De, Chotobazai, Midnapur. (Sweet-meat).
 Tarak Chandra Paul, Nator, Rajshahi (Sweetmeat)

BIHAR.

- Arya Confectionery Works, Patna
 Bombay Confectionery, Gaya.
 Patna Confectionery Works, Gudi Bazar, Patna City.
 South Behar Sugar Mills Ltd, Bihta, E. I. Ry.

BOMBAY.

- A Vianelli & Co. (Italian Restaurant), Chowpatty Sea-Face, Bombay.
 Agents Confectionery Works, Velp Lakhmseywadi, Mazagaon, 10, Bombay.
 B N Biscuit & Confectionery Works, C Hathubag, off Love Lane, Mazagaon, Bombay 10
 D Writer & Co, Bhawan Sanker Road, Dadar, Bombay 15.
 Dave Sweet Mart, Grant Road, Bombay
 Dayaram Damodar Mithaiwalla, 393, Grant Road, Bombay.
 James Connell Ltd, Prince Dock, Bombay.
 Mangaldas & Co, Masjid Bunder Rd, Gaya Bldgs, Bombay 3
 Robin Confectionery Mfg Co. 9, China Bunder, Bombay
 Renown Biscuit Co, Ltd, Victoria Gardens, Bombay 12

BOMBAY PRESIDENCY.

- Swan Chocolate Works, Balmora, CALCUTTA.

- A Firpo Ltd., 18/2, Chowringhee Road, Calcutta.
 Army & Navy Preserves Co. 10, Ezra St., Calcutta
 Bengal Confectionery Works, 99/3, Gunning Str., Calcutta.
 Bhim Chandra Nag, 6, 7, Wellin-

- ton St., Cal. (Indian Sweets).
 Bombay Royal Sweet-meat Saloon, 54, Bentinck St., Calcutta.
 Brojadual Lozenge Works, 26, Gay Street, Calcutta
 Calcutta Confectionery, 61, Harrison Road, Calcutta. Factory:—Gopalpur, E B Ry.
 C E Morfon (India) Ltd, 11, Chive St., Calcutta.
 Chowdhury Confectionery Works, 17, Peary Mohan Sur Lane, Cal
 Dwaikanath Ghosh & Sons, Ltd, 140/1, Cornwallis Street, Calcutta (Indian Sweets).
 Fine Confectionery Works, 22/1, Cornwallis St., Calcutta. (Lozenges, Chocolates & Toffees).
 Happy Boy Ice Cream, 87, Lower Circular Road, Calcutta.
 Indian Confectionery Works, 153, Shyambazar St., Calcutta.
 Karuna Industries, 2, South End Park, Calcutta.
 Krishna Chandra Das, 11, Esplanade East, Cal. (Indian Sweets).
 M E Britain & Co, 36/38, New Market, Calcutta
 Reliable Confectionery, 31-22, Lower Chitpur Road, Calcutta.
 Sen Gupta Brothers, 32/7, Beadon St., Calcutta
 Seth Bros, 78/79, Beadon Street, Calcutta (Lozenges).

DELHI.

- H C. Wenger, Connaught Place, New Delhi
 Standard Mfg Co, Sadar Bazar, Delhi. (Chocolate).

INDIAN STATES.

- Lalan Confectionery Mart, Matancherry, Cochin
 Funnels Confectioners, South Parade, Bangalore.
 Montaz Jam Factory, Hyderabad.
 Mysore Confectionery Works, Krishnarajapuram, Bangalore.
 Padma Indian Cocoan Works Ltd, Trivandrum, Travancore
 Parry & Co, Ltd., Near S. K. Press, Cochin

KARACHI.

- Kohinoor Confectionery Works, Rampart Row, Bombay Bazar, Karachi

AMRITA PROLEP—For Sinus, Gangrene, Ulcers, Injuries etc.
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Indore Swadeshi Co-op Stores, Ltd., Juna Topkhana, Indore City.
 Industrial Co-operative Socy Ltd., Hyderabad, Deccan.
 Jute Society, Nowgong, Assam.
 Kallakurchi Co-operative & Agricultural Society, Kallakurchi, S. Alcot.
 Kondapuram Co-operatives Society, Anantapur
 Lalgudi Co-operative Society, Lal-

gudi, Trichinopoly
 Madura City Co-operative Stores, Ltd, Naiker New St., Madura.
 Mhow Railway Co-operative Stores, Near Rly. Instt, Railway Road, Mhow
 Munnai Indian Co-operative Store Ltd., Munnar, Travancore.
 S. J. Co-operative Society, Camp, Karachi. Br.—Hyderabad, Sind.
 Udupi Co-operative Agricultural & Industrial Society, Kalyanpur.

COPPERWARE MANUFACTURERS.

Ami Chand Zinabhai Shah, Opp Dhrangadra Uttara, Wadhwan Camp, Kathiawar
 Chhabildas Kanjibhai, Pirchani Galemandir Road, Surat.
 Chaturbhai Lalubhai, Dhrangadra Uttara, Wadhwan Camp, Kathiawar.
 Hukumchand Ragoomall, Gujranwala.
 Kaldas Lalji, Kansara Bazar, Viramgam.
 Kansara Chhagan Madhavji, Junagadh, Kathiawar.

Lalji Gokal, Bazar, Morvi, Kathiawar.
 Maganlal Chaturdas, Kansara Bazar, Viramgam
 Nagindas Maneklal, Buranpuri Bhagol, Surat
 Rangildas Parbhudas, Buranpuri Bhagol, Surat
 Sashi Bhusan Provapada Dey, 62, Clive Street, Calcutta (Also Brass and Bellmetal).
 Thakordas Jivanram, Buranpuri Bhagol, Surat.

CORKS & CAPSULES DEALERS.

All India Bottle Supplying Co., 153, Chuckla St., Bombay 3
 Chemical Association, (Calcutta), Ltd., 55, Canning St., Calcutta. (Tip-top Corks).
 Hazel & Cedar, Luxmi Kuthir, 7A/1, Kalu Ghosh Ln, Calcutta.
 J. Mayr, 1, Mission Row, Calcutta
 Jain's Ink Depot, 23, Beat, Bangalore

O. T. Kader Basha Sahib & Bros, Rangoonwalla, 17, Ezra Str., Calcutta (Also Labels)
 Topall Works, Lucknow. Br — Calcutta, Bombay and Madras
 S. P. Singha & Co, 67, Ezra Str., Calcutta
 Saksena Perfumery Works, Saksena Bldgs. Kanauj.

CORN FLOUR DEALERS.

Corn Products Co., (India), Ltd., 4, Lyons Range, Calcutta; Central Bank Bldg., Bruce Str., Bombay.

J. B. Mangharam & Co., P.Box 32, Sukkar, (Sind). Br.—Naya Bans, Delhi
 Satya Charan Dutt, 99/3, Canning St., Calcutta.

COTTON BROKERS.

BOMBAY.

Aboobakar Abdul Rahman & Co, 14, Customs House Road, Fort, Bombay.
 Amulakh Amichand & Co, Marwari Bazar, Bombay 2
 Anandilal Podar & Co, Rajmahal, Bhuleshwar, Bombay 2

Arjan Khimji & Co, 4, Outram Road, Fort, Bombay.
 Baboolal Gangadas, Marwari Bazar, Bombay 2.
 Bajnath Gangadhar, Marwari Bazar, Bombay 2.
 Bajnath Newatia, C/o Messrs Hardeyal Newatia, 226, Kalbadevi Road, Bombay 2

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Nasseiwanji & Co. 68, Homji St., Fort, Bombay.
 Nensey Tejpal, Nane Colaba, Thomas St., Bombay.
 Orient Trading Co., 100, Clive St., Calcutta (Water Works).
 Phanindra Bhushan Das, Crawford Park, Sambalpur.
 Prabhakar Metal Works, Jaiganj, Aligarh.
 Premier Construction Co Ltd., Phoenix Building, Ballard Estate, Bombay.
 R L Bhattacharjee, 106, Amherst St., Calcutta.
 Ram Narain & Brothers, Alwar, Rajputana.
 Ramji Haridas, Chakia Chand Bazar, Chaulhaganj, Cuttack.
 Ranchhodji Ramji & Co, Chikalwadi, Bombay.
 S. K Roy, B.E., 2, Nokuleswari Bhattacharjee Lane, Calcutta

S Mohamed Arif & Sons, Sadar Bazar, Delhi.
 S N. Chatterjee & Co., 4, Clive Ghat St., Calcutta.
 S N. Mazumdar, Pensionpara, Sambalpur.
 Saidar Bishen Singh, 5, Cross Rd., Dehra Sun.
 Sibpur Engineering & Housing Co., Hawakhana Chambers, Sibpur Ferry Ghat, Howrah.
 Simpson & Ferris, 46A, Free School St., Calcutta.
 Siomani & Co, French Chapel Road, Tuticorin.
 Tej Bhan, Mianwali, Punjab.
 Thimbaroo Bros & Co, Kumbalangi, Cochin.
 Vasu Deva Mudalliar, Negapatam, Tanjore.
 Visiambhai Walji, Dharampore Road, Bulsar, Surat.

COOKER MANUFACTURERS.

Anand Cooker and Metal Works, Chandni Chowk, Delhi.
 Bengal Chemical & Pharmaceutical Works, 94, Chittaranjan Avenue, Calcutta. (Bhupini Cooker).
 Ic-Mic Cookers Ltd., 29, College St., Calcutta.
 Keshab & Sons, 38/2, Girish Mukherjee Road, Calcutta (Girihasta Cooker).
 Kitchen Craft Agency, Model

Town, Lahore.
 Loomba Cooker Works, Kashmere Gate, Delhi.
 Monomotho Cooker & Co, 5/23, College St., Calcutta.
 Rukmani Cooker Co, 15, East Mada Church St. Rayapuram, Madras.
 Sayyad Ahmed Cooker Works, Poona City.
 Sarojini Cooker, 27, College Str., Calcutta.

CO-OPERATIVE STORES.

Agia Co-operative Stores, 50-A, Taj Road, Agia City.
 Balugaon (Fishery) Stores, Balugaon, Puri.
 Bangalore City Co operative Society Ltd., New Tharagupet, Bangalore City.
 Bengal Co-operative Silk Union, Malda.
 Bombay Swadeshi Cooperative Stores Co, Ltd. Cruikshank Road, Fort, Bombay.
 Co-operative Central Paddy Sale Society, 11/12, Canal Circular Road, Calcutta.
 Co-operative Depot, Tower Block, College Street Market, Calcutta.
 Co operative Industrial Depot,

Tower Block, College St Market, Calcutta (Hand Loom Industries—Cotton & Silk).
 Co-operative and Industrial Society, Kallakurichi, S Arcot.
 Co-operative Industrial Union, Dacca.
 Co-operative Stores, Elphinstone Road, Karachi.
 Erode Co-operative Purchase Society, New St., Erode.
 Hassan Co-operative Society Ltd., Hassan, Mysore.
 Hospet Agricultural Co-operative Society, Hospet, Mysore.
 Indore Co-op. Central Sale & Supply Society Ltd., Main Topkhana Rd., Indore City.

**AMRITA ROSE—FOR ALL SORTS OF EYE TROUBLES—
 ELECTRO AYURVEDIC PHARMACY, College Street Market, Calcutta.**

- Ishwardas Devi Prasad, 224/26, Kalbadevi Road, Bombay 2.
- Jagannath Sheobux, Above Thakkar Bicos, Topiwala, 3rd Floor, Kalbadevi Road, Bombay 2.
- Jagjivandas Dossabhai & Co, Kansara Chawl, Kalbadevi Road, Bombay 2.
- Jagmohan Manilal & Co., Kansara Chawl, Kalbadevi Road, Bombay 2.
- Jahangir Bamanji Chinnai, Naval Lodge, Four Banglows, Versua, Via Andheri, Bombay (Suburb.)
- Jamnadas Adukia, Kalbadevi Road, Bombay 2.
- Jamnadas Bansidhar, Front Cotton Exchange Bldg, Kalbadevi Road, Bombay 2.
- Jamnadas Lakhmidas & Co, 18, Marwari Bazar, Bombay 2.
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- Jethalal & Co, Malwari Bazar, Bombay 2.
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- Karsondas Nalayan Das, Gaya Bldg, Musjid Bandar, Mandvi, Bombay.
- Kedarmal Ramniranjan Jasraparia, Marwari Bazar, Bombay 2.
- Kedarnath Bhagwat Sarup, 312, Kalbadevi Road, Bombay 2.
- Kesharimal Anandilal, Anand Bldg, First Floor, 14/21, Dadyseth Agyari Street, Kalbadevi Road, Bombay.
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- Maganlal & Co, 48, Marwari Bazar, Bombay 2.
- Manalal Bhagirath, Khara Kuwan (Front), Javeri Bazar, Bombay 2.
- Mangalal Jhalani, 188, Kalbadevi Road, Bombay 2.
- Manordas Bheramai, Marwari Bazar, Bombay 2.
- Mansukhlal Sukhlal (Tarwala), 48, Marwari Bazar, Bombay 2.
- Mathuradas Daga, 18, Marwari Bazar, Bombay 2.
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- Mungalal Gondka, 188, Kalbadevi Road, Bombay 2.
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- N Sarup Chand, Kalbadevi Road, Bombay 2.
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Sanghani & Co, 178/180, Abdul Rehman Street, Bombay No 3.

Usman Ahmed Hamdani New Cutlery Market, Jumma Masjid Bombay 2. (Also Fish Hooks).

BOMBAY PRESIDENCY.

Diwan & Co., Gadag, Dharwar Dt. Dhrujal Chhaganlal, Khatriwad.

Bulsar, Surat

Ibrahim Kasan Badni, Chhipwad, Bulsar, Surat.

Jusab Hasmani, Choksi Bazar, Virangam, Ahmedabad.

L M Marwadi, Ratanpole Naka, Ahmedabad

Manilal Mohanlal, Shak Bazar, Virangam, Ahmedabad.

Narshibhai Shankeerbhai & Co., Near Swami Narayan Temple, Nadiad, Kaira.

Novelty Mart, Richey Road, Ahmedabad.

Penkar Cutlery Co, Pen, Kolaba, Popatlal Ganesh, Kapadwanj, Kaira.

CALCUTTA.

H N Mullick & Co, B82-83, New Market, Calcutta.

Mazumdar & Co., 113, Manohar Das Chowk, Barabazar, Calcutta. (Also Padlock).

Osman Gani & Bros, 93, Canning St., Calcutta

Pioneer Cutlery Works, 6A, Belgachia Road, Calcutta.

S N Kundu & Bros, 32, Canning Street, Calcutta

S W. Harri Prosad, B-23-24, New Market, Calcutta

Sen Gupta Bros, 32/7, Beadon Street, Calcutta

CENTRAL PROVINCES.

Alibhai Mamuji, Tarnapeth, Akola

DELHI.

S Mohd Arif & Sons, Saddar Bazar, Delhi.

INDIAN STATES.

A M. Alibhoy, Bhora Bazar, Neemuch, Cantt., Gwalior.

Anandji Nathu, Rajkot Pura, Kathiawar.

Gani Haji, Khamisa, Junagadh, Kathiawar.

Gulab Jagjivan, Berthon Sq, Jamnagar, Kathiawar. (Nut Crackers).

Haji Osman Hajivali, Mandvi Chowk, Junagadh, Kathiawar.

J. Mackanji & Sons, Junagadh, Kathiawar.

Kanji Hemraj, Mali Wada, Junagadh, Kathiawar.

Maganlal Manji Kothary & Co., Rajkot Pura, Kathiawar.

Prabhudas Laxmi Das, Berthon Sq, Jamnagar, Kathiawar (Nut Crackers).

Shri Martand Stores, Juna Topkhana, Indore City.

Tajbhai Jivaji, Vora Bazar, Bhavnagar, Kathiawar.

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Cheda Lal, Mahanani Rd, Indore
City.

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bad, Deccan.

Devi Dass Topen Dass, Bhabran
Bazar, Bahawalpur.

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Bharatpur State.

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Deccan.

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Rewa State

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Narasimhaiaja Road, Banga-
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Rajputana Muslim Trading Co.,
Johri Bazar, Jaipur City.

Rasoolbhoy Nazai Ally, Maharani
Rd, Indore City.

Sasam Almamod Giga, Juna-
gadh, Kathiawar.

Sidik Abdula, Station Road, Bhav-
nagar, Kathiawar.

Sinha & Sons, 26, Goura Kund,
Indore City.

Sivanj Automobile Works, Sree
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Karachi

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Crown Cycle & Motor Co., Garden
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Jankidas & Co., Elphinstone St.,
Karachi

Karachi Cycle and Motor Co.,
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Karachi

Royal Cycle and Motor Co., El-
phinstone Street, Karachi.

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Broadway, Madras.

Royal Cycle and Motor Co, 13,
Broadway, Madras

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gapatam

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 Calcutta Cycle & Motor Co, Mercantile Buildings, 12, Lal Bazar Street, Calcutta
 Central India Machine Co., 155, Dharramtola Str, Calcutta.
 Cornwalls Cycle, Motor & Electrical Works, 61, Bentinck St. Calcutta.
 Crescent Cycle & Motor Co, 158-C, Dhurrumtolla Str, Cal
 Cycle Traders Emporium, 173-L, Dharamtala St., Calcutta.
 D Das & Brothers, 61, Bentinck Str, Calcutta.
 Globe Cycle & Motor Co, 33, Dhurrumtolla Str, Calcutta.
 Great Eastern Stores, 54, Bentinck Str, Calcutta
 H. D Nundy & Co, 50-5/6/7, Dharamtala St, Calcutta.
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 International Engineering Co. 70, Lindsay St, Calcutta.
 Joseph Herberts & Co, 61, Bentinck St., Calcutta.
 Jupiter Cycle Co., 68, Harrison Road, Calcutta.
 M. M. Ghosh & Bros., 55, Bentinck Street, Calcutta.
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 Nibaijan Chandra Seth & Co, 59, Bentinck St., Calcutta
 Pioneer Cycle Co., 60, Bentinck Street, Calcutta.
 Rela Cycle Works, 2A, & B. Bentinck Str, Mercantile Bldgs, Calcutta.
 S. N. Bhattacharjee, 5, Dharamtala St, Calcutta

Sen & Pandit, Mercantile Bldgs., Lal Bazar St., Calcutta.
 Travancore Trading Society, 101-B, Chittaranjan Avenue, Calcutta.

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 Central India Machine Co, Omli Bridge, Jubbulpore
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 Onkar Jodharaj, Chotta Bazar. Ellichpur Camp, Amraoti.
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 P. M. Shah & Co, Bazar, Akola.
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 S. R. Shastrakar, Jetpura, Chanda, C P.

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 Kalaso & Co, Chandni Chowk, Delhi.
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Greaves Cotton & Co. Ltd. 1,
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New Zealand Import & Export
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Champion Dairy Co., Petit Man-
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Empress of India Dairy Co., Near
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van Rd., Lamington Rd., Bom-
bay
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Newton Manufacturing Co., By-
culla, Bombay.
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Road, Bombay.
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minus, Mazagaon, Bombay
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jett Hill, Bombay.
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Wilson Manufacturing Co., Bala-
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Diwan & Co., Gadag, Dharwar Dt.
Doshi Bros., Bhalej, Anand.
Dudha Dairy Co., Raipur, Ahme-
dabad
Dufferin Dairy Farm, Ahmedabad
Empire Dairy Co., Keshav Build-
ing, Khadia, Char Rasta,
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 Rudappa Andann, Devangere
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 Bellana Narayana, Baruva, Ganjam
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 Pearl Cycle Store, Naya Sarak, Chandni Chowk, Cuttack
 Ramaprasad, Mandasa, Ganjam.
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 Thandiam Bajranglal, Dalnpara, Sambalpur

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 Prakash Cycle Co, Block No 3, Sargodha City
 Rajpal Trading Co, Rawalpindi.
 Ukpari Bros, Lyallpur

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 Debi Dayal Panchauli, Etah
 Dilkusha Cycle & Motor Agency, Saddei Bazar, Lucknow
 Gopal Pershad, Shushambagh, Fatehgarh
 H Abdul Rauf M. Ismail, Mau nath Bhanjan.
 H M Shafiq Ellahie, Sadar Bazar, Meerut
 Jwala Prasad Ram Parkash, Mahoba
 Kalicharan Trivedi & Sons, Atrauli P O, Pahoo Dt, Rai Bareilly
 Kamta Brothers, Ballia
 Khatu Cycle Stores, Shahgamer, Etawah
 Lochan Pershad, Colonelganj, Fatehgarh
 Mau Cycle Works, Maunath Bhanjan.
 Midlands Ltd, Meston Road, Cawnpore.
 Mohan Lal, Palla Bazar, Farrukhabad
 Mohd. Ali, Yusufganj, Aligarh
 Mohd Hanif, Nijabad
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 Popular Cycle & Motor Co, 2, Taj Road, Agra
 Portland Cycle Agency, Aminabad Park, Lucknow
 Prabhu Dayal Seth, Ghazipur
 Premier Cycle & Motor Agency, Kalsarbagh, Lucknow
 Provincial Cycle & Motor Co, 166, Bridge Street, Meerut
 Punjab Cycle Works, Aminabad Park, Lucknow
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 Sadhulal Shukla, Mahoba
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Egmore, Madras

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Madras

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Bazar Street, Calcutta

Pengoria Dental & Optical Co.,
Agra.

Popular Pharmacy Ltd., 167,
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Gate, Bannu

Scientific Dental Clinic, The
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ghata P.O., Calcutta

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Works, 14, Kaibartapara Lane,
Calcutta

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Chemical Products Ltd., Behala,
Calcutta

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vent Road, Entally, Calcutta.

D. P. G. & Sons, 5, Swallow Lane,
Calcutta.

Death Bell Chemical Works, 25,
Belvedere Road, Calcutta.

Eastern Chemical Works, 25, Rani
Branch Rd., Cossipore, Calcutta.

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di, Nagpur. (Phenyle, Hair Oils).

General Agency Office, Sultan-
pura, Lahore.

Health Protection Society, 80,
Garpar Rd., Cal (Pastilles).

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St., Calcutta (Insecticide).

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Calcutta

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 "Spring Farm" Dairy Co., Raitpur, Ahmedabad
 Star Dairy Company, Sir Chinubhai Road, Ahmedabad.
 Tribhovan Amthaiam, Jalalpor Road, Navsari, Surat
 Western Creameries, Nadiad

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 Express Dairy Co., Ltd., 13, Old Court House Str., Calcutta
 K L Bose & Co., 26, Sita Ram Ghose Street, Calcutta
 Lord's Dairy Farm, 2/1, Surendranath Banerjee Road, Calcutta, P O Box 10, Ahmedabad
 M S. Butter Factory, 1-2, Mechua Bazar St., Calcutta
 Magnolia Dairy Products Ltd., 12K, Park St., Calcutta
 New Calcutta Pure Milk Supply Co., 23, Ezra Street, Calcutta.
 Paul's Dairy, 39, Munaripukur Road, Calcutta
 Polson Manufacturing Co., 6A, Sudder Street, Calcutta
 Premier Dairy, 38, Dehi Serampore Road, Entally, Calcutta
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Algaish Dairy Farm, Municipal Market, The Mall, Lahore

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 Konar Dairy, Wallajah Road, Madras
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 G V N Distillery, Bellary.
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 Government Distillery, Mandya, Mysore.
 Indian Distillery, Anwarganj, Cawnpore
 Karnal Distillery, Karnal, Pb.
 Katni Distillery, Katni, C P

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 Lucknow Distillery, Shah-jahbagh, Lucknow.
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 National Emporium, Roorkee Br. P.O. Lanka, Benares
 Nilmoney Halder & Co, 106, Radha Bazar Street, Calcutta.
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Karachi

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hore.

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Calcutta Electrical Co. Moradabad
Connaught Dyeing and Cleaning Co, Connaught Place. New Delhi

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Friends & Co, Farrukhabad.
Imperial Electrical Works, Civil Lines, Moradabad

Krishna & Co, Lala Lalpat Rai Road, Benares

Krishna Kumari Sharma, Electric House, Muttra.

Mathur Electric House, Pathanpura St, Saharanpuri

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For thorough explanation of the principles of life assurance consult GUIDE TO LIFE ASSURANCE. Industry Book Dept., Price Rs. 3/-.

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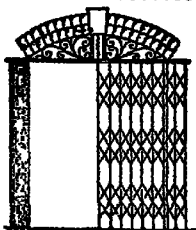
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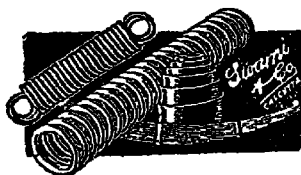
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D Popatlal & Co., 55/15, Canning St., Calcutta.

Deva Agency, A89, 40 & 41, S. S. Hogg Market, Calcutta.

Ghosh & Son, 62/7, Mirzapur St., Calcutta

Royal Store, A24, 25, 26, Municipal Market, Calcutta.

S C Saha & Co., A34, Municipal Market, Calcutta.

S W Hari Prasad, B-24, New Market, Calcutta.

Sen Gupta Bros., 32/7, Beadon St., Calcutta.

Sterling House, 25/1, Radha Bazar Street, Calcutta

Swadeshi Silpa Factory, 213,

Cornwallis St, Calcutta

CENTRAL PROVINCES.

Lala Ramswaroop & Sons, Jawahariganj, Jubbulpore

Ram Shanker Ram Kishan, Morisingan, Katni.

S. M Abdul Majeed, Juna Bilaspur, Bilaspur

DELHI.

Dhoommal Dharandas, Chaori Bazar, Delhi.

L Babu Lal Jain, Chandni Chowk, Delhi.

R Meattle & Sons, "B" Block, Connaught Place, New Delhi.

INDIAN STATES.

Bombay National Stores, Maharani Rd., Indore City.

C. Chandulal & Co, Rajkot Pura, Kathiawar.

College Stores, Juna Topkhana, Indore City.

Indolite Manufacturing Co., Ltd., Near Power House, Bhavnagar, Kathiawar.

Indore Stores, Juna Topkhana Rd., Indore City.

Jethalal Meghji & Sons, Saddar Bazar, Rajkot, Kathiawar.

Onkar Brothers, 1st Bridge, Srinagar, Kashmir

Novelty Stores, Indora.

KARACHI.

Bulchand Ramchand, Kundan Bazar City, Karachi.

Hariram Scanderji Soosania, Elphinstone St., Camp Karachi.

MADRAS CITY.

K. Alavandia & Co, 295, Esplanade Row, Madras.

P Simon & Co, 23 & 42, Errabalu Chetty Street, Madras

Bakelite Industry in India. Mfrs. of Fancy House-Hold Articles & Electrical Accessories. Indolite Mfg. Co. Ltd., Bhavnagar, (Kathiawar).

Olpadwalla & Sons, 168, Bazar Gate St., Fort, Bombay.
 Shah Odhavji Lawji, Vithaldas Liladhar Bldg, Princess St., Bombay.

BOMBAY PRESIDENCY.

A J Lakhani & Co., Kall Road, Hyderabad, Sind. (Thymol).
 M D & Sons, Asarva, Ahmedabad, No 2.

CALCUTTA.

Arshib & Co. 110, College Str., Calcutta.
 Bengal Trading Agency, Post Box 7819, Calcutta.
 Clive Medical Hall, 8, Ezra Str., Calcutta.
 Cosmoflora & Co, 32, Ezra St., Calcutta.
 Essence Supply Agency, 5, Colootola St., Calcutta.
 F. N Sircar, 37, Canning Street, Calcutta
 F. Racek & Co, 8, Old China Bazar St., Calcutta.
 Indian Perfume Store, 5, Colootola St., Calcutta.
 J. Mayr, 1, Mission Row, Cal.
 K R Patwardhan, 72, Canning Street, Calcutta.
 S. J. Guddar & Co., 3/2, College Street, Calcutta. (Vanilla & Lemon etc.)
 S Mohamed Din Maidan & Co., 5, Colootola St., Calcutta
 Shah & Company, 55/58, Ezra

Str., Cal. B1.—Bombay, Madras. Synofor Coy., 1, Amratolla Str., Calcutta.

W. J. Bush & Co., Ltd., 8, Ezra St., Calcutta.

INDIAN STATES.

Cheuparampli Chacko, Vazhakulam, Muvattupuzha, N. Travancore (Lemon Oil).
 K. J. Lazar, Iinjalakuda, Cochin.
 Parry & Co, St. Mark's Road, Bangalore
 Vanoochy Ittan, Muvattupuzha, N Travancore. (Lemon Oil).

LAHORE.

Maher Singh Sapuran Singh Chawla, The Mall, Lahore.
 Michael Martin & Co, The Mall, Lahore

MADRAS CITY.

V. P. Mohamed Omer Miyan Saheb, 174, Angappa Naick St., Madras

MADRAS PRESIDENCY.

Shokela Perfumery Works, Anantapur, (South India).

PUNJAB.

Nanak Hair Oil Stores, Rawalpindi City.

UNITED PROVINCES.

Hindusthan Aromatics Co., P.O. Lanka, Benares.

Makhanlal Chhainsukhdas, Kanauj-B1 —Nayaganj, Cawnpore, Abdulrahman St, Bombay, Chowk Benares

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 G Kothandapani Naidu & Co.,

Triplicane, Madras
 Golden Industry, 933, Sowrashttra Big Str, Kumbakonam, S. I.
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 K Siddah Gowder & Sons, Commercial Road, Ootacamund
 Ooty Eucalyptus Oil Mfg. Co. Ootacamund, Nilgiris
 South India Cash Trading Co, Ootacamund, Nilgiris
 Zenda Chemical Works, Belgaum.
 M. S. M. Ry.

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Bativala & Karani, Dalal Street, Fort, Bombay.

Goolamhusein Moloobhai, 76, Tamarind Lane, Fort, Bombay
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Tanjore, S I

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Ahmad Hussain Abdul Haq, Qu-

reshi Chobdari Chowk, Mohalla,
Lucknow. (Bone Mnfrs.).

Shahganj Bone Mills, Agra.

FIRE BRICKS MANUFACTURERS.

BENGAL.

Bengal Fire Brick Works, Kulti,
Burdwan.

Burn & Co's Lalkoti Silica
Works, Raneegunge, Burdwan.
Office 12, Mission Row, Cal

BIHAR.

Behai Firebricks & Potteries Ltd,
P.O. Mugma, Manbhum Office:
3/1, Bankshall St, Calcutta.

Gulshari Fire Brick Works, Gul-

shari, Manbhum

Kumardhubi Fire Clay & Silica

Works, Kumardhubi, Manbhum

Rehance Fire Bricks & Pottery

Works, Barakar, Chauk, Man-
bhum. Office: 8, Clive Row,
Calcutta.

BOMBAY CITY.

A C. Bottomley & Co., Bombay.
Industrial Engineering Co., Bom-
bay.

CALCUTTA.

Calcutta Mineral Supply Co. Ltd.,
31, Jackson Lane, Calcutta.

INDIAN STATES.

Bangalore Fire-brick & Tile
Works, Bangalore City.

Kolai Brick Making Co., Ltd.,
Manikuppam P 1, Mysore State.

FIREWORKS MANUFACTURERS.

Bonbonniere, P.O. Box 10827,
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Calcutta Fireworks, 28, Moha-
danga Road, Barnagar, Calcutta.

Divall Fire Works, Konnagar.
Hughly.

Globe Fire Works, 175B, Upper
Circular Road, Calcutta.

Imperial Fireworks Co, Opp Civil
Hospital, Northern Gate, Jama
Masjid, Delhi.

Khan and Khan, McLeod Road.
Karachi.

Kishori Lal, Opposite Civil Hos-
pital, Juma Masjid, Delhi

Mohamedbhai Abdulhusein & Co.
140-42-44, Juma Masjid, Bom-
bay

Orient Fire Works Co, 85-1, Up-
per Circular Road, Calcutta.

P. Kora Joseph, Ernakulam,
Cochin.

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dallist), Near Jama Masjid,
Delhi.

Sivakasi Kaluswami Colours Match
Works, Sivakasi, Ramnad Dt

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ASSAM.

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BENGAL.

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Adhir Chandra Sarkar, Dulpashar,

Pabna

Balaram Halder, Savarampur,

Faridpur.

Banamali Saikia, Savarampur,

Faridpur

Bhatto Ram Das, Pipula Phul-

chari, Rangpur.

Bipin Behary Saikia, Babullota,

Arkandi, Faridpur.

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pur, Pabna.

Gou Mohan, Kariah, Maldah.

Great Bengal Fisheries Ltd, 37,
Thattari Bazar, Dacca.

Hemanta Kumar Saikia, Babullo-

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Jabra Mohamed Dalal, Tista,

Rangpur. (Dry fish).

Netai Majhi, Chuntarkhory, Bhat-

taprotap, Khulna.

Pacha Mohammed Dalal, Tista,

Rangpur (Dry fish).

Pulin Chandra Halder, Baha-

kandi, Faridpur.

Radha Nath Halder, Bongaon.

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Rangpur.

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R Singanna Chetty, 284, China Bazar Road, Madras

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ORISSA.

K. Krishna Nayak Lokhono, Nayak & Bros., Berhampur.

PUNJAB.

Bharat Fancy Stores, Deia Ghazi Khan, Punjab

Brain & Co., (Govt. Regtd.), Ludhiana.

SIND.

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Kishen Lall & Co., Viceroy Road, Dehra Dun

N K. Porov's Fine Brass Works, Jageshwer Buildings, Gairkhana, Moradabad

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BIHAR.

Mukherjee & Co., Aghore Bhavan, Bhagalpore

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Forbes, Forbes Campbell & Co., Home St., Bombay

Oomreres Kesowjee & Co., Post Box No. 1, Bombay. Head Office—Cannanore, B—Calcut, Tellicherry & Mangalore.

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Chemical Trading Co, 2, Sukeas Lane, Calcutta

Chingreehatta Bone Mill, 6, Ram Mohan Mullick's Garden Lane, Calcutta

Ewing & Co, Ltd, 4, Clive Row, Calcutta

Imperial Chemical Industries (India) Ltd, 18, Strand Rd., Calcutta B—Lahore, Madras.

N V Overzeesche Kali Export Maatschappij, 19, British Indian St, Calcutta

Sheoviat & Co, 152-B, Harrison Road, Calcutta & Chowk, Fyzabad, U P.

INDIAN STATES.

A Alladin & Sons, Alladin Bldgs, Secunderabad, Deccan

Bhavnagar Bone & Fertilisers Co, Bhavnagar, Kathiawar.

Mysoie Fertiliser Company, Chamarajapet, Bangalore City LAHORE.

General Agency Office, Sultanpura, Lahore.

MADRAS CITY.

Abbas Hussain & Co, Angappa Naik Street, Madras.

MADRAS PRESIDENCY.

A S Thomas Francis Rodriguez, South Raja Street, Tuticorin (Crushed bones)

Abdul Salam, Cowl Bazar, Bellary

Bellary Oblapuiam Bone Mill Factory, Cowl Bazar, Bellary

Bone Crushing Factory, Oblapuiam, Bellary

Bone Mills, Oblapuiam, Cowl Bazar, Bellary

Bone Mills & Manure Works, Feroke, S Malabar

Coimbatore Manure Works, Red Fields, Coimbatore

Indian Fertilisers. Ltd, Trichur, Malabar.

Jules Guerie, Pondicherry.

Kadambooi Bone Mill, Kadambooi, Tinnevely

Oomreres Kesowjee & Co., Camp Bazaar, Cannanore. Import Office—Post Box No 1, Bombay B—Calcut, Tellicherry & Mangalore

Presidency Manure Works, Feroke, Malabar, Ranipet, Arcot

South India Bone Mills, Samalkot, Godavari East

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Delhi and Northern India Flour Mills Co., 17-18, Elphinstone Circle, Bombay.

Imperial Flour Mills, Two Tanks, Giant Road, Bombay.

Wallace Flour Mills, Co., Ltd., 9, Wallace Street, Fort, Bombay.

BOMBAY PRESIDENCY.

B B S Roller Flour Mills, Ahmedabad.

Banshi Roller Flour Mills, Ahmedabad.

Poona Steam Flour Mill, 3, Sholapur Road, Poona.

Sholapur Oil and Flour Mills Co., Ltd., Sholapur.

CALCUTTA.

Bengal Flour Mills Co., Ltd., 103, Clive Street, Calcutta. Mills at Sibpore, Howrah.

Calcutta City Flour Mills, 243, Upper Chitpore Rd., Calcutta.

Marwari Flour Mills, 244-2, Upper Circular Road, Calcutta.

Nandanbagan Flour Mills, 236, Upper Circular Road, Calcutta.

Narikeldanga Roller Flour Mill, 17-4, Canal West Rd., Calcutta.

United Flour Mill Co., Ltd., 3, Ukadanga Road, Calcutta.

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Baluram Narsing Lal, Dispensary Road, Sambalpur.

Harishankar Flour Mill, Edward Bazar, Sambalpur.

DELHI.

Crown Flour Mills, Grand Trunk Road, Delhi.

Delhi Flour Mills Co., Ltd., 10, Alipur Road, Delhi.

Ganesh Flour Mills, Subjmandi, Delhi.

Iswar Flour Mills, Barh Shahbulah, Chowri Bazar, Delhi.

Lakshmi Durga Flour Mills, Paharganj, Delhi.

Ramkishan Flour Mills, Ajmere Gate, Delhi.

Shadi Ram Ram Chand Flour Factory, Delhi.

Vishwa-Karma Flour Mills, Delhi.

INDIAN STATES.

Bhandari Daya Shankar, Kaithonki Sarai, Kotah.

Chaganlal Flour Mills, Abu Road, Sirohi State.

Flour Mills & Ginning Factory, Jaipur.

Gaddgal Murgappa, Rice & Flour Mills & Cloth Merchant, P.O. Nyamti, Shimoga, Mysore.

Goyal Flour Mills, Abu Road, Sirohi State.

Gwahior Roller Flour Mills, Mill Road, Gwahior.

Krishna Munuthi Flour Mills, 191, Old Tharagupet, Bangalore City.

Mallikarjuna Flour and Soap-nut Powder Mills, Malleswaram, Bangalore.

N. Gurulingappa, R. A. Rice & Flour Mills, P. O. Nyamti, Shimoga, Mysore.

Padam Chand Flour Mills, Abu Road, Sirohi State.

Onkarmal Flour Mills & Co. Ujjain.

Roller Flour Mills, Patiala.

Sri Anantha Krishna Flour Mills, Old Tharagupet, Bangalore City.

Sri Bala Krishna Flour Mills, Old Tharagupet, Bangalore City.

Sri Venugopal Flour Mills, Bangalore City.

Srinivas Roller Flour Mills Co., 188, Old Tharagupet, Bangalore.

Swadeshi Cotton & Flour Mills, Ltd., Indore.

Vatsala Flour Mills, West Park Rd., Malleswaram, Bangalore.

KARACHI.

India Flour Mill (1936), Ltd., Cincinnati Town, Karachi.

Karachi Steam Roller Flour Mills Co., Ltd., Lawrence Rd., Karachi.

Sind Flour Mill Co., Ltd., Dhoobi Ghat Road, Garden Quarter, Karachi.

Vishnu Flour Mills, Napier Road, Karachi. Prop:—Koooverji Bcharial.

MADRAS PRESIDENCY.

Narasimha Flour Mills, Bhavani Rd., Erode.

ORISSA.

Bhima Ice Factory & Flour Mills, Chauhaugunj, Cuttack.

PUNJAB.

Amritsar Imperial Steam Roller, Amritsar.

Benarsi Dass Steam Roller Flour Mills, Ambala Cantt.

Bakelite Industry in India. Mnfrs. of Fancy House-Hold Articles & Electrical Accessories. Indolite Mfg. Co. Ltd., Bhavnagar, (Kathlawar).

Sri Charan Biswas, Bhangoora,
Pathaighata, Pabna

BIHAR.

Kallyan Miah, Katihar, Purnea,
S C Mitter, Katihar, Purnea.

BOMBAY.

Abdul Sattar Shaik Mohamed,
Siwri, Bombay No 15 (Dry Fish).

BOMBAY PRESIDENCY.

Franki Jiwanji, Gootu St., Poona.
Kasamji Musaji Dam, Ghanchi-

wad, Bulsai, Surat
Lallu Pitamber, Ghanchiwad,
Bulsai, Surat

Narsai Govind, Ghanchiwad, Bul-
sar, Surat

CALCUTTA.

Gosto Behary Biswas, 23/2A, Ra-
manath Kaviraj Lane, Calcutta

Gadadhur Baugh & Bros, 27/46/A,
Shibpur Rd, Shibpur, Howrah

(Fresh Tank Fish).

INDIAN STATES.

A Nochu Kanno, Kalkunam, Tra-
vancore

Karim Kasam, Rajkot Pura,
Kathiawar

V K Bava & Brother, Einaku-
lam, Cochin State (Dried Fish)

FISH OIL MANUFACTURERS & DEALERS.

CALCUTTA.

Manmatha Nath Dass & Sons,
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drogenated fish oil).

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Cochin Fisheries, Vypeen, Cochin.

MADRAS CITY.

Paury & Co, P O Box No 12.

MADRAS PRESIDENCY.

C Abdurahman and Coragappa,
Hoige Bazar, Mangalore

Govt Fisheries Experimental
Station, Tanur, S Malabar.

Sardine Manure Fish Guano and
Fish Oil Factory, Cannanore

FISHING TACKLE DEALERS.

K Banerji, 43, Strand Road, Cal-
cutta

T. M Lotia & Bros, Elphinstone
St., Karachi Camp Br.—Marriott
Road, Karachi.

BENGAL.
Empire Flour Mills, Jagat Baner-
jee Ghat Rd., Shibpur, Howrah

Hooghly Flour Mills, Forest Rd.,
Ramkrishnapur, Howrah Office,
4, Bankshall St., Calcutta

Howrah Flour Mills, 35, Ram-
krishnapur Ghat Road, Howrah.

Reform Flour Mills, 142, Foie-
shore Road, Shibpur, Howrah.

Swadeshi Flour Mills, Faizpur.

KARACHI.

Arabian Sea Fish Supply Co,
Napier Road, Karachi (Also

Oysters & preserved Fish).
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Nagar House, Karachi.

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ket, Karachi. (Dry Fish).

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mental Station, Tanur, Malabar.

Kaivartta Industrial Works,
Hoige Bazar, Mangalore

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Malabar Fisheries Company, Cha-
llyam, Feroke R. S., Malabar.

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Sabhu Mallik, Badaga, P O.

Bahanga, Balasore

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Hoige Bazar, Mangalore

Govt Fisheries Experimental
Station, Tanur, S Malabar.

Sardine Manure Fish Guano and
Fish Oil Factory, Cannanore

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Hoige Bazar, Mangalore

Govt Fisheries Experimental
Station, Tanur, S Malabar.

Sardine Manure Fish Guano and
Fish Oil Factory, Cannanore

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BIHAR.

Dinapur Flour & Oil Mills, Dina-
pore, Patna

Kohinoor Mills, Gaya
Lakshmi Mills, Muzaffarpur.

Shree Lakshmi Rice & Flour
Mills, Dinapore Cantt

Shree Bihari Mills, Patna City.

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Dhar Bros, 82, Harrison Road, Calcutta.

Ever Ready Store, 88-1, Harrison Road, Calcutta.
F. N. Gophtu & Co, Ltd, 12, Baghghatta Road, Calcutta

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Indian Pioneer's Co., Ltd, Tower Block, College St Market, Cal
J Mayr, 1, Mission Row, Calcutta
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Volkart Bros, 8, Clive St., Calcutta

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Royal Fountain Pen Co. Chandni Chowk, Delhi.

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INDIAN STATES.

A Roy & Co, Opp Chinnabai Tower, Baioda

KARACHI.

Paris Stores, Bunder Rd., Near N. J High School, Karachi.

MADRAS.

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MADRAS PRESIDENCY.

K V Ratnam & Bros., Rajahmundry.

Keral Swadeshi Stores, Trichur.

PUNJAB.

A M Rasul & Co, Lyallpur.

UNITED PROVINCES.

Bharat Fountain Pen Works, Chowk, Cawnpore

Bholanath & Co., 80, Aminabad Park, Lucknow.

Eagle Pen Co. (India), Hospital Road, Agra.

Fountain Emporium, Moradabad, Kela Bros, Jaiganj, Aligarh.

Luxmi Stylo Pen Works Co, 18, Luckmikumund, Dayal Bagh, Agra

Model Industries (Regd.), Dayalbagh, Agra.

National Fountain Pen Works, 32, La Touche Rd, Lucknow

Swadeshi Fountain Pen Works, Bharat Ashram, Raja Bazar, Lucknow.

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Sherab Lama & Sons, Darjeeling.

Sudersan Mazumdar, Darjeeling.

BIHAR.

Avatar Nursery, Nayanagar, Rusera, Darbhanga

Bengal Preserving Co., Muzaffarpur

Maharaj Garden Nursery, Dhakhothi, Rusera, Darbhanga

Tirhoot Fresh Fruit Supplying Nursery, Rusera, Darbhanga

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A Gaffar Habib Zakaria, 324, Kharek Bazar, Mandvi, Bombay (Dry Fruits).

Ganpat Abagi Badke, Crawford Market, Bombay

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pur.
Ganesh Flour Mills Co., Ltd.,
Lyallpur.
Gidharilal Tara Chand Flour
Mills, Fatehabad, Tain Taran
Ghulam Nabi Haji, Karnal.
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pura
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Khalsa Flour Mills, Fatehabad,
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Krishna Flour Mills, Rawalpindi.
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Flour Mills, Fatehabad, Hissar.
Mehta Megh Raj & Sons, Saddar
Road, Ferozepore
Mehta Tilok Nath, Saddar Road,
Ferozepore.
Mohani Flour Mills Ltd., Saigo-
dha
Nanak Chand Sain Dass Flour
Mills, Gurdaspur.
People's Flour Mills, Ferozepur
City
Pioneer Flour Mills, Shahdara,
Sheikhupura
Premier Flour Mills, Lyallpur.
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City.

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SIND.

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Kilshna Flour Mills, Sukkur
Seth Anandmal Bodomal (Elec-
tric Engine) Flour Mills,
Sukkur.
Seth Shewomal Rupomal Flour
Mills, Sukkur

UNITED PROVINCES.

Allahabad Milling Co., Ltd.,
Allahabad
Ganesh Flour Mills, Railganj,
Cawnpore.
Ganga Flour Mills, Municipal
Market, Naini Tal
Gauil Shanker Flour Mill, Fateh-
garh, U. P.
Hari Krishandas Steam Roller
Flour Mills, Sahranpur
Kaioundia Industrial Develop-
ment Co., Lucknow (Also Ice).
Kishan Flour Mills, Railway Sta-
tion Rd., Meerut City.
Kundanlal Ram Chander, Najiba-
bad (Flour Merchant)
Lucknow Flour Mills, Lucknow
Lucknow Steam Flour Mills &
Workshop, Lucknow
Ram Sahai Flour Mill, Fatehgarh.
Sitaram Mahadeo Prasad Ginning
Roller Flour Mills, Cawnpore
Tola Ram Flour Mills, Fatehgarh
Venkateshwar Flour Mills,
Lucknow

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Mills, Railwaypura P O, Ah-
medabad
A Tholasi & Bros, Mount Road,
Madras.

Horse and Cattle Food Supplying
Co., Dibrugarh
N Papanna & Bros, Mysore.
Victoria Fodder Store, Bangalore

FOUNTAIN PEN DEALERS & MANUFACTURERS.**BIHAR.**

Raghunandan & Co., Hazaribagh.

BOMBAY CITY.

S Chandra & Co., 21, Bazar Gate
Street, Fort, Bombay

BOMBAY PRESIDENCY.

Mehta Bros., Three Gates,
Ahmedabad

N H Lakhia & Co., Kshatriya
nagar, Ellis Bridge, Ahmedabad

BURMA.

Burma Trading Agency, Yame-
thin, Burma.

CALCUTTA.

Anundo Ghunder Ghose, B. 51 &
51, New Market, Calcutta, E.O.
—10, Radhabazar St., Calcutta

All forms of Marine, Fire and Accident Insurance are included in Guide
to Marine, Fire & Accident Insurance. Industry Book Dept., Rs. 2/8.

Alamgarh & Raisin Orchards,
 Kulu, Kangra.
 B. C. G. A. (Punjab) Ltd., Khane-
 wal, Punjab.
 Bagshahi Estate, Kulu, Kangra.
 Bawa Nathu Ram Piyare Lal,
 Ganj Street, Rawalpindi.
 Beliram Bishandas, Ganj Bazar,
 Rawalpindi.
 Bhullan Mohd Ishaw, Saddar
 Bazar, Ferozepore.
 Bundiole Orchards, Kulu, Kangra.
 Ch Mohd Ibrahim Shahabuddin,
 Malant Mandi, Ferozepur Dt.
 Coleyana Estate Ltd., Okara, Dist.
 Montgomery.
 Convillepur Farm, Montgomery
 Dayalram Rashanlal, Tank,
 Rawalpindi.
 Dina Nath Amba Datt, Sargodha.
 Dobi-kutba Naggar Estate, P.O.,
 Dobi, Kulu, Kangra.
 Dohinagar Orchards, Kulu, Kan-
 gra.
 ✓ Dry Fruit Trading Co., Ganj
 Bazar, Rawalpindi.
 Duff Dunbar Orchards, Kulu,
 Kangra.
 Gardeners Juices (India), Lyall-
 pur.
 Gurdial Singh Hari Singh, Muza-
 fargarh.
 Hall Estate, Nagar, Kulu.
 Hari Singh Sardool Singh, Sargo-
 dha.
 Haripur Rangri Orchards, P. O.
 Duff Dunbar, Kulu.
 Himalayan Fruit Packers, Old
 Queen's Road, Amritsar.

Indian Mildura Fruit Farms Ltd.,
 Renala Khurd, N. W. Ry.
 Kailash Trading Co., Amritsar.
 M. Ismail, V. Mahalpur, Hosi-
 puri, Dt.
 Minnikens Orchards and Tea Es-
 tate, P.O. Raisan, Kulu, Kan-
 gra.
 Mitterchand Lakshmandass, 46-47,
 Ganj Bazar, Rawalpindi,
 (Dried Fruits).
 Mohd. Salcheem, Sabzi Mandi,
 Ferozepore, Punjab.
 Nanak Singh Dyal Singh, Rawal-
 pindi City.
 Pathoomall Lalamal, Ganj Bazar,
 Rawalpindi.
 Ramchand Shamdas, Multan.
 Seu-bagh Orchards & Nursey-
 men, Kulu, Kangra.
 Sa Nizam Din, P. O. Dinanagar,
 Gurdaspur.
 Sunshine Orchards, Kulu, Kangra.

UNITED PROVINCES.

Gharwal Ram Begraj Ojhani, Bu-
 daun.
 Ghwar Fruit Garden, Rani-Khet,
 Almora.
 Kashmiri Fruits Mart, Hazratganj,
 Lucknow, The Mall, Cawnpore.
 Kewal Ram & Sons, Saharanpur.
 Mumtaz Hussain & Sons, Rani-
 khet, Almora.
 Shyam Singh, Mana Singh, Nazira
 bad, Lucknow.
 Shyam Lal Babu Lal, Chauk,
 Fyzabad.
 Shew Nath, Tarkari Bazar, B.
 Gunj, Benares.

FURNITURE MAKERS.

AJMER-MERWARA.

Abdulla & Sons, Kaisarganj,
 Ajmer.
 Beera Lal Rajmull & Son, 180-182,
 Main Street, Nasirabad, Ajmer.
 Ibrahim & Sons, Kaisarganj,
 Ajmer.
 Ram Chandia & Sons, Nasirabad,
 Ajmer.

ASSAM.

G. C. Mukherjee & Co, Gauhati.

BENGAL.

J. K. Das & Co, Bibir Hat, Chan-
 dernagore, Hooghly.
 N. C. Dass & Sons, Sirkar Bagan,
 Chandernagore, Hooghly. Br.—

75/1, Wellesley Street, Calcutta.

BIHAR.

Sree Sadakat Cabinet Works,
 Patna Gaya Road, Patna.
 Standard Furniture House, Go-
 vind Mitra Road, P. O., Banki-
 pore, Patna Dt.

Yadava Bros., Navatola, Patna

BOMBAY CITY.

Byculla Furniture Works, 2, Vic-
 toria Road, Bombay 10.
 Cawasji Edulji Billmorla, 75, 77,
 Chakla Street, & 126, Barbhui
 Moholla, Bombay.
 Ebrahim Jaffer & Co, 205, Chakla
 St., Bombay 3.

FOR MODERN FURNITURE, PLEASE TRY :
 CORONATION FURNITURE MART, KARTARPUR, N. W. R.

Harakchand Shivjee, Kharek Bazai, Mandvi, Bombay
 M Reza Busheri & Co, 324, Kharek Bazai, Mandvi, Bombay
 Ratansi Korji & Co, 339, Old Market, Juma Masjid, Bombay.
 Sha Dalsukhbhai Hirai & Co, 324, Kharek Bazai, Mandvi, Bombay 9

BOMBAY PRESIDENCY.

Abdul Karim Gulamhussen, Shak Bazar, Viramgam, Ahmedabad.
 Atmaiam Nathubhai, Shak Bazar, Viramgam, Ahmedabad.
 Oriental Cannery Co, Honaver, N Kanara.

CALCUTTA.

Farm & Fruit Products, Ltd, 10, Ezra Street, Calcutta
 Haji Tilla Mohd & Bros, Sir Stuart Hogg Market, Calcutta.
 Mohamed Salim & Bros, N B 13, New Market, Calcutta

DELHI

Kale Khan and Sons, Fatehpuri Bazar, Delhi
 Mohd. Fazal-ud-Din Qadri, Sabzi Mandi, Delhi.
 Mohd Ibrahim Mohd Mustaqin, Subzmandi, Delhi

INDIAN STATES.

Apple Walnut Co., Baramula, Kashmir.
 Challona Apple Orchards, Chamba, Via Dalhousie
 East India Export Federation, Srinagar, Kashmir.
 Fazal Ahsankhan, Joomaiati Gate, Bhopal
 G Venkatakrishnan Naidu, Kadur, Mysore
 Giridhar Hemraj, Poibander.
 Imperial Fruit Agency, Baramula, Kashmir
 K Abdul Wahab & Bros, Kadur, Mysore State
 K Prayag Raj, Afzalgunj, Hyderabad, Dn.
 Kashmiri Fresh & Dry Fruits, Srinagar, Kashmir.
 Leading Fruit Co, Srinagar, Kashmir
 Manji Jetha, Vegetable Market Bazar, Poibandar, Kathiawar.
 Shantilal Manilal, Ambachok, Bhavnagar, Kathiawar.

Sikkim Orange Co., Rangpo, Sikkim State.

Venit & Co, Srinagar, Kashmir.
 Sheer Singh, Chai Bag, Bharat-puri State

Suleman Abba, Market Bazai, Poibandar, Kathiawar.

LAHORE.

Indian Mildura Fruit Farms Ltd, Renala Khurd, Lahore.

M Abdul Rahman, Jagadhri, Lahore

MADRAS CITY.

Gokuldas Shivjee & Co, 6A, Govindappa Naricken St, G T, Madras

MADRAS PRESIDENCY.

Bhamy Panduranga Shenoy, Cashew Factory, Mangalore
 Kandi Lakshmi Kantham, Ellore, W. Godavary
 Kona Krishna Rao, Narasapatnam Road, Vizag Dist. (Oranges)
 R Vellaye Muthar & Sons, Palghat, Malabar

Ramkrishna Reddy, Desur Ajiam, Nagari Post, Madras Presidency (Oranges).

S K Abdul Rahman Sahib, Salem.

T Muni Reddy & K Kuppuswami Reddy, High Road, Chittoor. (Mango)

T Ramiah, Narasingapuram, Chandiagiri Post (Mango)

V. K. Abdul Rahman Sahib, Kadur (Mango).

V Vellayappa Dhargor, Big Bazai, Palghat, Malabar.

N. W. FRONTIER PROVINCE.

Amu Khan Nazli Khan, Subzi Mandi, Peshawar City.

G L Kawatra & Co, Dabgari Gate, Peshawar.

Gul Mohd Muzafar Khan, Subzi Mandi, Peshawar City.

Juma Khan Ghulam Mohd., Salog Bazai, Peshawar

Parmanand Jaikaran, Haripur, Hazara.

Radhakishen Gobindram, Inside Peshawar City.

Ramchand Saroop Singh, Serai Saleh, Hazara

PUNJAB.

Abdul Halim Karim Bux, Subzi Mandi, Jullundur City.

Be Agents of The Indolite Mfg. Co. Ltd., Bhavnagar, (Kathiawar), Mfrs. of Bakelite Fancy House-Hold Articles & Electrical Accessories.

CENTRAL PROVINCES.

Haji Fazal & Son, Nagpur.
 Jackson's Furniture Mart, Jubbulpore.
 S R. & Jivan Bios, Ganjipura, Jubbulpore.
 Sardar Hari Singh & Sons, Jubbulpore City.

DELHI.

Bombay Swadeshi Iron & Brass Furniture Works, Shams Mansion, Qutab Road, Delhi.
 British Furniture Manufacturing Co., 3-D, Connaught Circus, New Delhi.
 Furniture Service Coy., Kashmere Gate, Delhi.
 Hayat Mohd & Bios, Connaught Place, New Delhi.
 Jain Industrial School, Dayagun, Delhi.
 L. Gopinath, Kashmere Gate, Delhi.
 Porbandar Manufacturing Co., Ltd., Roshanaia Rd., Delhi.
 Ravi Brothers, Kashmere Gate, Delhi.
 Umar Furniture House, Dufferin Bridge, Delhi.

INDIAN STATES.

Abdulla & Sons, Station Rd., Jaipur.
 Bombay House, 3, South Parade, Bangalore.
 Chief Furniture Mart, Kutchery Rd., Bikaner.
 Chitragai Lakshman and Sons, Cabinet Works, Chamajypet, Bangalore, Mysore.
 Din Mohammad & Son, Jammu.
 Hirji Kani & Sons, Rajkot.
 Ibrahim & Sons, Kaisergunj, Ameer.
 Industrial Works, Chowki Ghat Gate, Jaipur City.
 Mohan Bios, Station Rd., Jodhpur.
 Mysore Arts & Wood Works, Opp Lal Bagh, Bangalore City.
 National Furniture Co., Perumalur, Ernakulam, Cochin.
 Puri & Sons, Bahawalpur State.
 Ram Narain & Bros., Alwar.

KARACHI.

Alex Bros., Inverarity Road, Karachi.

Anandji Dampi, Elphinstone St., Karachi.
 Essajee Ebrahimjee & Co., "Sheikha" House, Campbell St., Karachi.
 Hajeer Joonus & Co., Somerset Street, Karachi.
 Victoria Furniture Mart, Camp. Karachi.

LAHORE.

M. Ahmad Din, Outside Taxali Gate, Lahore. (Motor & Tanga Hood Sticks).
 M Hayat & Sons, 8, Hall Road, Lahore.

MADRAS CITY.

Anjuman School, Mount Road, Madras.
 Bombay Furniture Mart, 30, Mount Road, Madras.
 Curzon & Co., 97, Wallajah Road, Mount Road, Madras Saw Mills & Workshops—Guindy, Madras.
 John W Roberts, Mount Road, Madras.
 Pearl Son & Co., Stinger's St., Madras.
 Spencer's Furniture Factory, Mount Road, Madras.
 Standard Furniture Co., Ltd., General Patter's Rd., Mount Road, Madras.
 V. R. Kamath & Co., Bharat Bldg., 1/8, Mount Rd., Madras.
 V. Rangaswamy Naidu & Brother, 4/25, Rattanbazar Rd., P. T., Madras.

MADRAS PRESIDENCY.

Calicut Furniture Co., Calicut.
 Kohinoor Saw Mill Co., Ltd., Baliapatam, N. Malabar.
 Lakshmi & Co., Narasarowpet, Guntur.
 Mangalore Furniture Mart, Gollakatta, Mangalore, S Kanara.
 St Joseph's Asylum, Industrial School & Workshops, P. O. Kankanady, South, Kanara.
 St Joseph Industrial School, Coimbatore.
 Standard Furniture Co., Ltd., Kallal, Malabar.
 Vilaya Furniture Works, Bezvada, Kistna.

FOR MODERN FURNITURE, PLEASE TRY:
CORONATION FURNITURE MART, KARTARPUR, N. W. R.
Y. B. 51.

John Roberts & Co., Bombay
Jossab Mahomed, 209, Chakla St.,
Bombay

Mayfah Furnishing Co. Great
Western Bldg, Apollo St, Opp
R I N Dockyard, Bombay
Parekh Wooden Article Works,
66-68, Jambli Mohalla, Bombay
Rustomji D Bilimoria, Baibhai
Mohulla, Bibijan St. P O.
Mandvi, Bombay.

Sunderdas Saw Mills, Opp. Reay
Road Station, Bombay No 10
BOMBAY PRESIDENCY.

C S Suthar & Co., Desavago,
Nadiad, Kana.

Dayabhai Kesubhai, Halei Road,
Bulsai, Surat.

Deccan Industrial Union Ltd,
Karad, Satara

Gawarikar Works. Shukrawar-
peth, Sholapur (Iron furni-
ture).

Gokuldas Narayandas, 447, Ravi-
war Peth, Poona No 2.

Imperial Fiet Works, 68, Budh-
warpeth, Poona 2.

Rele & Sons, Mangalwarpath.
Sholapur.

Sholapur Engineering Works,
Sholapur (Iron Furniture).

CALCUTTA.

A C Dey & Bros 226B. Bow-
bazar St. Calcutta

Alsteel Co. 3/1. Mangoe Lane.
Calcutta

B H Smith 16. Dharamtala St.
Calcutta.

B L Kampani, 275/8. Bow Bazar
St, Calcutta (Folding Chair)

B M Ghosh & Co, 235/2. Bow-
Bazar St, Calcutta.

Banga Prothusthan Steel Furni-
ture, 12/2, Circular Garden
Reach Road, Calcutta

Bengal Cabinet & Motor Ltd. 46.
Bowbazar St. Calcutta.

C Lazarus & Co Ltd. 17. Park
St. Calcutta

Calcutta Builders Store, 62. Bow
Bazar Street, Calcutta

Calcutta Cabinet Co., 66, Bowbazar
St, Calcutta.

Calcutta Furniture Manufacturing
Co, Ltd, 10, Hat Bagan Road,
Entally, Calcutta.

Calcutta New Exchange Co., 8-A,
Lall Bazar Street, Calcutta.

Calcutta Wood Works, 4, Doctor
Jagobandhu Lane, Calcutta.

Canton Carpentry Works. 14,
Tangra Road, Calcutta.

Chatterjee Furnishing Co., Ltd.
52, Bowbazar St., Calcutta

Das Brothers & Co., 88/1A, Rash
Behari Avenue, Calcutta.

Foivard Furniture Co. 46/4, 5, 6,
& 7, Wellesley St, Calcutta

G Owen-Thomas & Co. 12D, Park
St. Calcutta

Great Eastern Exchange Ltd, 29,
Park St, Calcutta

H. Banerjee & Co, 285-2. Bow-
bazar, St, Calcutta.

Haji Kuma Ghosh, 226/D. Bow-
bazar St, Calcutta.

Hing's Carpentry Works, 26,
Middle Rd, Entally, Calcutta

Hossein Bros, 49, Bowbazar Str.
Calcutta.

Howrah Mechanical Wood Works
Ltd, 29, Park Street, Calcutta.

K C Paul & Co., 258/16, Upper
Circular Road, Calcutta

K C Roy & Co, 64-1. Bowbazar
St, Calcutta

Lala & Co, 34, Bowbazar St., Cal.
Mansfield & Son's Furniture

Works, 16, Tangra Rd, Cal
Mait Pukui Works, 48-1. Chin-
grihatta Road, Calcutta.

Nani Lal Das & Co. 42/3. Bow-
bazar Street, Calcutta

National Cabinet Co. 48, Bow-
bazar St, Calcutta.

New Cabinet Co, 42/3, Bow
Bazar St, Calcutta.

New Exchange House, 303. Bow-
bazar Str, Calcutta.

Office Equipment & Furniture
Mfg Co, 15, Canal St. Entally,
Calcutta.

Popular Furnishers, 59/B, Park
St, Calcutta

S. B. Sen, 19/A, Free School St,
Calcutta.

S. C Hossein & Co, 45, Bow
Bazar Str, Calcutta.

Standard Cabinet Co. 62. Bow
Bazar Street, Calcutta

Steel Products Ltd, 95, Garden
Reach Road, Calcutta.

FOR MODERN FURNITURE, PLEASE TRY :
CORONATION FURNITURE MART, KARTARPUR, N. W. R.

Panchanan Prasanna Kumar Saha, Rajahat, Barisal.
 Panchanan Roy, Basundhia, Jessore.
 Pearmohan Banik, Monomohan Banik, Bajitpui, Mymensingh
 Prahlad Chandia, Purna Ch Saha, Goalundo, Faridpur
 Prahlad Chandia Akshya Kumar Saha, Binodepur, Jessore.
 Pulin Behari Dutt, Damukdia, Rajshahi.
 Radha Banishi Gangacharan Nahai, Kuibaniganj, Chittagong.
 Rajani Kanto Raj Mohan Kaviraj, Morrellganj, P.O., Khulna.
 Ramnath Baikuntanath Bonik, Bajitpui, Katadi, Mymensingh
 Ramsundar Shaha, Natore, Rajshahi.
 Rash Behari Dutt, Tarak Shankar Karfa, Champadanga, Hooghly
 Rasik Lal Gopal Ch Bhowmik, Banaganj, Faridpur.
 Roy Kai & Co., Lohagara, Jessore.
 Santosh Kumar Pal, Naihati, 24-Perga.
 Sasimohan Jnanendramohan Saha, Satalia, Dacca
 Sreedhar Chandra Kundu, Atrai, Rajshahi.
 Tarakeswar De Bagerhat, Khulna.
 Tuthabasi Chandia Kumar Saha, Maohabazar, Dacca
CALCUTTA.
 Ashkan Lakshmichand, 35, Armenian St., Calcutta
 Balmer Lawrie & Co. Ltd., 103, Clive Street, Calcutta
 Bhajan Behari Saha, 9, Durmahatta Street, Calcutta
 Bidhu Bhusan Ghose & Sons, 31, Wellington St., Calcutta.
 Binray Jaichandiall, 2, Raja Woodmunt Street, Calcutta.
 Brojendra Narayan Rai Chowdhury, 9, Kripanath Lane, Calcutta.
 Chhoggmull Ramratan, 10, Armenian Street, Calcutta.
 Chunilal Subhakaran, 35, Armenian St., Calcutta.
 Debendra Nath Paul & Co., 39, Wellington St., Calcutta.

Gadadhar Shaw & Sons, 97, Harrison Road, Calcutta.
 Ganesh Mall Labhu Ram, 4, Raja Woodmunt St., Calcutta.
 Ganpat Shaw & Co., 97, Harrison Road, Calcutta.
 Gokul Chandia Dhai & Sons, D9, Jaggeinath Ghat, Calcutta.
 Gopeswar Roy Chaudhuri, 16/B, Beniatolla St., Calcutta
 Hari Pada Dutt, Narottam Samanta, 28, R. G. Kar Rd., Cal.
 Jhannul Gumbhirmull, 30/2, Clive Street, Calcutta.
 K C Ghose & Sons, 29, College Street, Calcutta.
 K C Mookerjee & Sons, 27, Wellington St., Calcutta
 K L Chakraborty & Bros, 17, Durmahatta Street, Calcutta.
 Kally Doss Auddy, 4, New Bow Bazar Lane, Calcutta.
 Kumer & Co., Ltd, 21, Darmahatta Street, Calcutta
 Madan Mohan, Rai Mohan, & Kumud Mohan Roy Chowdhury, 12, Haralal Das Lane, Jorabagan, Calcutta
 Manickchand Gokulchand, 42, Armenian Street, Calcutta.
 Moholal Sinha, D11, Juggernath Ghat, Calcutta.
 N K Hazra & Sons, 26, Wellington Street, Calcutta.
 Nagendra Nath Dey, D-13, Jagannath Ghat, Lohapatty, Calcutta.
 Narendra Mohan, Jatindra Mohan, Satish Chandra Saha, 12, Durmahatta Street, Calcutta.
 Naresh Nath Mukherjee, 29, Bannapooker Road, Calcutta.
 Natobar Sett, 8, Darmahatta St., Calcutta
 Nepal Chandra Saha & Bros., 3, Durmahatta Street, Calcutta.
 P Dutt & Co., 54/4, College St., Calcutta
 P M Sircar & Sons, 26, Wellington Street, Calcutta.
 Panchanan Ghosal & Co., 20, Wellington St., Calcutta.
 Paul & Bros, 39, Wellington St., Calcutta
 Phanindra Nath Manna & Co., 20, Darmahatta St., Calcutta
 Prosonno Kumar Roy & Co., 26, Wellington Street, Calcutta.

Be Agents of The Indolite Mfg. Co. Ltd., Bhavnagar, (Kathiawar),
 Mfrs. of Bakelite Fancy House-Hold Articles & Electrical Accessories.

PUNJAB.

B Karam Chand Payara Lal,
Hoshiarpur.
Coronation Furniture Mart, Kartarpur, N. W. Ry.
Hajee Imam Deen & Sons, Gujrat
Kundan Furniture Works, Ludhiana.

M Hayat & Bios, Gujrat, Punjab
M Joseph & Co, Ludhiana.
M R Sloan & Sons, Kartarpur,
Jullundur Dt.

M. Samuel & Co., Ludhiana
Maliek Bios. & Co, Saidan Gate,
Jullundur City. (Coat Hangers).
Sant Singh, Wheat Market, Ferozepore

Shub Chander, Karnal.
Suda Furniture House, Ludhiana.

UNITED PROVINCES.

Azim & Co, 27, Abbott Road,
Lucknow.

Bhupat Lal & Mattu Mal, 8,
South Road, Allahabad.

Haldwani Furniture Mart, Haldwani, R. K. Ry. Dt. Nainital
Prop.. Hari Datt & Bros.

Kalluram Sitaram, Rohli Tola,
Old City, Bareilly.

Majestic Furniture Mart, Dehra Dun.

Modern Furniture House, 1-2,
Jopling Mart, Lucknow

Mohammad Ayub Khan & Son,
Civil Lines, Bareilly.

New Furniture Mart, Mall Road,
Cawnpore.

Nooruddin & Sons, 178, Sudder
St Meerut

P N Ansi & Co, Rajpore Road,
Dehra Dun

Pioneer Furniture Works, 17/11,
Icherapati Baba Lane, The Mall,
Cawnpore.

Shib Lal & Sons, Sadar Bazar,
Agra Cantt

Standard Furniture Mart, Dehra Dun.

GALVANISED & CORRUGATED SHEETS DEALERS.**ASSAM.**

Gouri Prosad Roy & Son, Ajmiringanj, Sylhet, Sunamganj & Shaestaganj, Chittagong
Nabin Ch Kailash Ch Roy, P.O. Ajmiringanj, Sylhet

BENGAL.

Aditya Kumar Biswas, Tarail,
Faridpur

Anantlal Dey, Bhawanjan Dey,
Bolpur, Birbhum.

Anath Bandhu Goswami, Baharpur

Atul Krishna Jatindranath Saha,
Satbaria, Pabna

B Chakraverty, Brahmanbaria,
Tipperah

Behari Lal De, Mati Lal De,
Raniganj, Burdwan.

Bejoy Krishna Dutta Co, Santipur, Nadia

Bipin Behari Rakshit, Baghnau,
Howrah

Chandria Kumar India Kumar
Saha, Talma, Faridpur.

Dasarath Shaha & Satchandra
Shaha, Bansibazar, Dacca.

Ganganaram Ramsundai Karma-
kar, Durgapur, Burdwan

Hara Kumar Shaha, P O Bhanga,
Faridpur.

Haile Krishna, Gouri Chandria
Saha, Janakinath Gopinath
Sahu, Haldia, Dacca

Hayatulla Saikal, Mulladanga,
Murshidabad

Iliya Lal Dass, Alamdanga,
Nadia, Chinsura, Hooghly

Hriday Kisto, Gouri Chandria,
Sreenath Saha, Haldia, Dacca

Jagannath Dutt, Ghatal, Midnapur

Jaggewari Sarveswar Poddar,
Jhitka, Dacca

Janaki Nath Paul, Pabna

Janardhan Biswaswar Kundu,
Ranaghat, Nadia.

Jatindia Nath Guin, Ghatal, Midnapur.

Kashi Nath Laha, Raniganj, Burdwan

Lalit Mohan Duvey, Arani, Rajshahi.

Mahadeb, Promotha Nath Dutt,
Magura, Jessore

Mahim Chandra Kundu & Bros,
Atrai, Rajshahi

Md Ebrahim Miya, Kharagpur
Midnapur.

Nagendra Nath Dutt, Bardal,
Khulna.

**FOR MODERN FURNITURE, PLEASE TRY:
CORONATION FURNITURE MART, KARTARPUR, N. W. R.**

P. Roy & Bros, Main Road, Asansol.

Padamchand Ramgopal, P. O. Kuseong, N Bengal.

Panja Bros, Barabazar, Burdwan.

BIHAR.

Dilchand Lall & Grandsons, Dinapore Cantt.

J R Agarwal & Co, Gaya.

Jurimal Mahadev Prasad, Raxaul, Champaran

Malasher Bros & Co, Hospital Road, Raipur, Muzaffarpur.

BOMBAY CITY.

Abdullahoy Lalljee & Co, Hornby Road, Bombay.

B. M. Trading Corporation, P. O. Box No 237, Bombay 3.

Damji Mavji & Co, 177, Khojagally, Mandvi, Bombay.

Dwarkanadas Kalyandas, Ridge Rd. Malabar Hill, Bombay.

Hasanally Shermahomed, 39, Pydhonie Road, Khadak, Bombay.

Jose G. Rodriguez, 53, Jumna Bldg, Carnac Road, Bombay 2.

Mathuradas Kanji, 9, Wallace St. Fort, Bombay

Nassurvanji S Guzdar & Co, Home Street, Fort, Bombay.

Ommersee Kesowjee & Co, Post Box No. 1, Bombay. Head Office—Cannanore, Br.—Calicut, Tellicherry & Mangalore.

Ramjanally Ebrahim & Co, 59, Bazar Gate St, Bombay 1.

Ratilal Girdhar, Carnac Bunder Iron Market, Bombay 3.

Sorabjee Pestonjee, 5, Contractor Bldg, Sussex Road, Parel, Bombay

Vaidhman & Sons, Pydhoni, Bombay 3

Vithaldas Liladhai Bhimji, Princess St, Bombay

BOMBAY PRESIDENCY.

Ananta B Naik, Nova Ga.

Bhude & Sons, Sangli State, Belgaum

Chintamani Satappa Biraj, P. O. Raibag, Belgaum Dt.

Govinddas Maneklal, Mathuresh Bhuvan, Shahi Bag, Ahmedabad.

Keshavlal & Chhaganlal, Opp. Bhavnagri, Lambu Sheri, Surat

Poona Central Agency, 578, Raviwar Peth, Poona

CALCUTTA.

Crown Trading Company, 11, Clive Row, Calcutta

Hafiz Wazir Mohamad, 6, New Market West, Calcutta.

Hajee Habib Hajee Peermohmed, 25, Amiatala Street, Calcutta.

Hakim Industrial Works, 48B, Paddapukur Road, Calcutta.

Himalayan Musk Depot, 118, Harrison Road, Calcutta.

Hossen Kassam Dada, 25, Amratala St, Calcutta.

International Stores, 191, Harrison Rd, Calcutta.

Madan Mohan Dhui, 48/49/50, Old China Bazar St, Calcutta

S C Ghose & Co, 7, Ezra Street, Calcutta

S G. Molyn & Co, 14/2, Old Chinabazar St, Calcutta

Sarkies & Co, 19, Strand Road, Calcutta

Sen Gupta Bros., 32/7, Beadon Street, Calcutta.

Shulpa Bhaban, 208/210, Bowbazar Street, Calcutta

Siddessur Sen & Co, (Merchants), Ltd, 33, Canning St, Calcutta.

Universal Merchants, 58/1, Canning St, 1st Floor, Calcutta.

CENTRAL PROVINCES.

B Rajab Ali, Sadai Bazar, Bilaspur.

R Rao & Sons, Thularam Chourasta, Jubbulpore

Ratlam Stores, Chandni Chowk, Ratlam

Sanghi Stores, Lordgunj, Jubbulpore

DELHI.

Piyare Lal Beni Khatri, 145, Kucha Ghasi Ram, Delhi

S Mohd Shafi Mohd Jan, Sadar Bazar, Delhi

S Mohamed Siddiq & Co, Karachiwala, Sadar Bazar, Delhi.

INDIAN STATES.

Alphumiya Kadal Bux, Jodhpur.

B Parikh & Co, Mandvi Road, Baroda.

C Krishna Chetty & Sons, Sayaji Road, Mysore.

The only RELIABLE suppliers of GENUINE Musk—Wholesale & Retail.
The Himalayan Musk Depot, 118, Harrison Rd., Calcutta. H.O.—Nepal.

Radhakrishnan Sharda, 10, Aime-
nian St., Calcutta
Raghunath Lokenath Saha, 75,
Beniatola Str., Calcutta.
Ramjiwan Ramnath & Co., 2,
Raja Woodmunt St., Calcutta.
Roy, Coomar & Co., 22, Sukenas
Lane, Calcutta
S Nandy & Co., 25, Wellington
street, Calcutta
Sasadhar Ghosal, 53, Wellington
Street, Calcutta
Satish Chandra Ghosh & Co., 3,
Durmahatta St., Calcutta
Satyendra Mohan Palodhi & Kali-
pada Nundy, 39, Wellington St.,
Calcutta.
Seal Chandra & Co., 21, Welling-
ton St., Calcutta

Surath Nath Manna, Monmatha
Nath Manna, D16, Jagannath
Ghat Street, Calcutta.
Surendra Nath Ghose & Co., D/12,
Juggernath Ghat, Lohapatty,
Barabazar, Calcutta
T. N. Mookerji & Sons, 32/2B,
Wellington St., Calcutta
T N. Mullick & Sons, 2, Darma-
hatta St., Calcutta.
Tata Iron and Steel Co., Ltd., 100,
Clive Street, Calcutta.
Uttamchand Jaswantmall, 46,
Strand Road, Calcutta.

KARACHI.

Tirath Ram Kashmiri Lall,
Karachi.

LAHORE.

B R. Hermann & Mohatta Ltd.,
Lahore.

GALVANISED WARES MANUFACTURERS.

BENGAL.

India Galvanising Co (1926) Ltd.,
41, Chandapara Lane, Howrah
Marwar Galvanising Works, 8,
Raghab Kulay Lane, Howrah
Off. 161/1, Harrison Rd., Cal.

BOMBAY CITY.

Escoffally Dawoodbhoy, 18, Doc-
tor Street, Bombay 3
Saifee Bucket Factory. Sankali
St., Byculla, Bombay

BOMBAY PRESIDENCY.

Crown Bucket Factory, Ahmeda-
bad.

CALCUTTA.

Bantra Engineering Works, 233,
Bellilies Rd., Howrah (Props:
—D. K Das & Co)
Bengal Galvanising Works, 91A,
Ultadanga Main Rd., Calcutta

Binapani Galvanising Works,
137/1/2, Ultadanga Main Road,
Calcutta

Great Eastern Galvanising Works,
24, Darpanasain Tagore Str.,
Calcutta.

S S Galvanising Co., Ltd., 23,
Canal West Road, Calcutta

DELHI.

Punjabi Bucket Co., Pul Bangash,
Delhi.

KARACHI.

Mohamodali Noorbhoy Lotia &
Sons, Marriot Road, Karachi

ORISSA.

Union Gas Works, Buxi Bazar,
Cuttack

PUNJAB.

Upper India Metal Works Ltd.,
Chheharta, Amritsar Dt.

GAS ENGINES DEALERS.

(See under Oil & Gas Engines).

GENERAL MERCHANTS.

ASSAM.

Anglo-Assamese Co. Bidyannagar.
Sylhet.
Assam Valley Trading Co. Ltd.,
Gauhati.
B. N Dey & Co. Panbazar, Gau-
hati.
Dinanath Dutt, Cachar.
Kamala Agency, Gauhati
Rai Chunilal Bahadur & Co.

Fancy Bazar, Gauhati.
Shaikh Bros., Gauhati.

BALUCHISTAN.

Baluchistan Forage & General
Stores, Staff. College, Quetta.

BENGAL.

Anandalal Mukherjee, Khagra.
Murshidabad
Nakari Banga Chandra Pal & Co.
Comilla, Tippera.

**FOR MODERN FURNITURE, PLEASE TRY:
CORONATION FURNITURE MART, KARTARPUR, N. W. R.**

Haji Abdul Ghani Mohd. Ishaq,
Sargodha.
Hossain Buksh & Co, The Mall,
Simla.
Jagindra Commercial Agency,
(Govt. Regd.), (Estd. 1928),
Ludhiana.

Jai Ram Singh & Co., Chowk
Mannasingh, Amritsar.

L. Choocharam Aithi, Leiah, Mu-
zaffargarh

Lall Chand & Co, Near Fort,
Sialkot City

Lalla Bidhu Ram Soonko Ram,
Samloti, Kangra

M. Muzaffaruddin & Sons, Multan
City.

Moti Ram Asanand, Civil Bazar,
Campbellpur, (Punjab)

N. S. Chopra & Co, Jullundur
City, Punjab

UNITED PROVINCES.

Anand & Co, Ltd., 81, Chouk
Gangadas, Allahabad City.

Army & Police Equipment Supply
Co, P. O. Box 36, The Mall,
Cawnpore

Bhogamati Pd Singh & Shambhu
Nath Singh, Pura, Fyzabad

Charan Das & Sons, Chauk,
Chunar

General Stores, Pilkhuwa, Dist.
Meerut

Gulam Abbas Tayab Ali, Bohia
Oli, Neemuch

H. A. Wahab & Sons, 1, Aminud-
daula Park, Lucknow.

H. M. Hasan & Sons, Hasan
Building, 4, Aminabad Park,
Lucknow. Br 107, Bhusari
Mohalla, Bombay, 3

H. M. Md. Sayeed, Meston Road,
Cawnpore

H. Md Nasim Md Wasim, Meston
Road, Cawnpore

Kasoomri Das Shiam Lal, Kaiser-
ganj, Meerut.

Mullick & Sons, 1, Aminabad
Park, Lucknow

Narain Bros, 34-74, Hata Swami
Singh, Cawnpore.

Nityanand Deokinandan, Naya-
ganj, Cawnpore

Nizam Uddin Hosain & Sons, Bu-
daun

Patias Das & Sons, Lachmi Build-
ing, 9, Rajpur Road, Dehia Dun.

Prabhudayal & Sons, Lucknow.

Raghunandan Lal Nigam, Meston
Road, Cawnpore.

Saksena & Sons, Lakhimpur,
Kheri

Sexena Brothers, 135, Sainapet
St, Farrukhabad, U. P.

Saxena Medical Hall, Farrukha-
bad, U. P.

Saji C. Mohammad Siddiq, 125,
Pandariba, Allahabad.

Sen Roy Swadeshi Bhandar, Mes-
ton Road, Cawnpore

Shamlal Sah & Sons, The Mall,
Almora.

GHEE MERCHANTS.

(Also see Dairy Farm and Dairy Product Dealers).

AJMER-MERWARA.

Daulatram Singh, Purani Mandi,
Ajmer.

BIHAR.

B. C. Bose, Forbesganj, Patna.

Dipchand Noorchand Gokulnagar,
Khunt, Patna

Janakpur Dairy, Janakpur Road,
B. N. W. Ry (Muzaffarpur Dt.).

Ramavatai Shama, Navanagar,
Rusera, Darbhanga

BOMBAY PRESIDENCY.

Amritlal Manilal, Outside Bhar-
wadri Gate, Viliangam, Ahmeda-
bad

Ghatkoperi Ghee Depot, Amrit
Bhuvan, Ghatkoperi, Thana

Kubendras Narottam Shah, Kagdi
Pith, Kalia.

Shah Piemraj Kesharchand, 12th
Bhawani Peth, Poona

CALCUTTA.

Abinash Chandra Dutt & Sons, 3,
Burtola St, Calcutta.

Ashok Chandra Rakshit Ltd, 26,
Cotton St, Calcutta

Biswaswarlal Murulidhar, 154,
Cotton St, Calcutta

Dasarati Rakshit, 152, Cotton Str.,
Calcutta

Jagannath Ramnath, 130, Cotton
St, Calcutta

Kanal Jivan Kundoo, 4, Ramku-
mar Rakshit Lane, Calcutta

Bakelite Industry in India. Mfrs. of Fancy House-Hold Articles &
Electrical Accessories. Indolite Mfg. Co. Ltd, Bhavnagar, (Kathliwar).

Channagiri Venkata Setty & Bros, Davangere, Mysore State.
D Aziz & Co, Shroff Bazar, Bhavnagar, Kathiawar.
Devidas & Sons, Commercial St, Bangalore.
Edulji Nowroji & Co, Sojati Gate, Jodhpur.
Ganesh Lal & Sons, Sojati Gate, Jodhpur.
Haji Aboo Kaji Taimahomed, Main Bazar Road, Poibandai, Kathiawar.
Indian Products Co. Bundi, Bundi State, Rajputana
K M Paul & Co, Moovattupuzha, Travancore.
Lakhmi Chand Tapsi Lal, Jodhpur.
Magni Ram Fatehpurya, Pali, Jodhpur.
New Eastern Trading Co. Ranjit Road, Jamnagar, Kathiawar.
Osman Hassam Sait, 37, Old Tharagupet, Bangalore City
P. Sainoo Mal & Sons, Sinagar.
Pestonjee & Co, Gulmarg, Kashmir.
R. Zutshi & Co. Sadar Bazar. Morar, Gwalior.
Radha Vallabh Hans Raj, Jodhpur.
Ram Nath & Co. Nana Bazar. Sojitra, Baroda
Shree Krishna Trading Agency, Shimoga Road, Bhadravati, Mysore State. Bi —Big Bazar, Shimoga, Mysore State
Star Trading Association, Bangalore City.
T M Aboobucker, Alleppey, Travancore.

KARACHI.

Ismailjee Alibhoy & Son. New Market Road, Karachi.
Muiraj Laladhar & Co. Jodia Bazar, Karachi.
Narain Das & Co. 161, Garden Road, Karachi
Radhakrishnan Ghanshamdas & Bros, Near Boulton Market, Karachi.

LAHORE.

Abdul Rashid Bros, China Matt. Anarkali St. Lahore
Mulchand & Sons, Bazar Machhi Hatta, Lahore.

MADRAS CITY.

C. Comaraswamy Naidu & Sons, China Bazar Road, Madras

Ghani Mohamed Mohideen, 25, Mahfooz Khan's Garden Street, U. T, Madras.

Parry & Co, Ltd., 1st Lane Beach, Madras.

Salaj Mohomed Haji Ebrahim & Co, 7, Chinathamby St. Madras

T. S. Abdeally & Bros, 3, Bunder Street, Madras.

MADRAS PRESIDENCY.

B. Krishnamurthi Bros., Benjeripet, Ellore, W. Godavary Dt.

B. Ramayya & Co, Main Road, Vizagapatnam

K Ramakrishna Gundu Nayak, Cai St., Udipi, S Kanara.

M. L N Nagabhushana Row. Masulipatam, (Kistna).

M. Venkata Ramayya & Sons, Main Road, Vizagapatnam.

Oomarsee Kesowjee & Co., Camp Bazar, Cannanore. Import Office —Post Box No 1, Bombay. Br —Calicut, Tellicheiry & Mangalore

F. Gopala Krishnaiah & Sons, Tenali, Guntur.

P. S M. Muthurethunam, Chettiar, Negapatnam, Tanjore.

S. A R. P Subramaniya Chettiar, Negapatnam, Tanjore.

S. Syed Mohamed Marican, Negapatnam, Tanjore.

S Vaidya & Co, China Bazar Rd. Teppakulam, Trichinopoly.

T. R Balakrishna Reddier, Vellore, N Aicot

T. S Rajagopal Pillay, Negapatnam, Tanjore.

N. W. F. PROVINCE.

Gulab Rai & Sons, Arbab Road, Peshawar Cantt.

ORISSA.

F H Bihmorra & Co., Cuttack.

M Rahim Khan, Chaudhuri Bazar, Cuttack

Suresh Chander Daw Haridhone Daw, Balu Bazar, Cuttack.

PUNJAB.

Abdul Majid & Sons, Murree.

Baldev Singh & Co, Nanak Gusain St, Sialkot City.

Daffodils & Co, Sialkotee Gate, Gujranwala, Punjab

Dittu Mall Gobind Ram & Sons, Gobindram St, Gobindram Eldgs, Sialkot City.

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CORONATION FURNITURE MART, KARTARPUR, N. W. R.

Gangaprasad Kashinath, P.O.
Mau Ranipur, Mau, Dt. Jhansi
Hiralal Ganesh, Hinganghat.
Jhannilal Mul Chand, Nayaganj,
Hathras.
Jitmal Ram Gopal, Nayaganj,
Hathras.

Lala Nandkishore Tandon, Etah-
wah
Murtinanj Dutt, Etah.
Narandas Mata Deen, Collector-
gunj, Cawnpore.
Parmal Poojan Lal, Mahoba
Raghunath Das Jannadas, Govin-
dganj, Muttra.

GINNING & PRESSING FACTORIES.

(See Jute Press).

AJMER-MERWARA.

Holme Cotton Ginning Factory,
Bujal Nagar, Ajmer.
New Cotton Press & Ginning
Factory, Beawar, Merwara.
Shatunya Alanak Factory, Kekri,
Ajmer.

ASSAM.

Bhairava Cotton Ginning & Press-
ing Factory, Dhubri, Assam
Krishna Cotton Ginning Mill,
Mankachar, Assam
Ram Cotton Mill, Mankachar,
Assam.

BENGAL.

Cossipore Cotton Ginning Fac-
tory, 2, Sugar Works Lane,
Cossipore, Calcutta
Nityananda Cotton Ginning Fac-
tory, Chittagong
Ralli Bros, Cotton Ginning Fac-
tory, Bandar, Narainganj,
Dacca.
Sadani Cotton Ginning and Press
factory, 80, Cossipur Road,
Calcutta.

BOMBAY PRESIDENCY.

Ahmedabad Pressing, Ginning &
& Manufacturing Co. Ltd.,
Ahmedabad
Akbar Cotton Press, Ahmedna-
gar.
Akbar Manufacturing & Press
Factory, Dhulia, W. Khandesh
Allaiddinbhai Somaji Gin
& Press Factory, Chalisgaon, E.
Khandesh.
B N. Kadadi Pressing Factory,
Baramati, Bhimthadi, Poona
Barejdi Ginning & Pressing Fac-
tory, Barejdi, South Daskroi,
Ahmedabad.
Bavla Cotton Press, Bavla, Dhol-
ka, Ahmedabad.

Bhaghiath Narandas, Dhulia, W.
Khandesh.
Bharat Spinning & Weaving Co.
Ltd., Hubli, Dharwar.
Bodwad Cotton Pressing Factory,
Bodwad, Bhusawal.
Chalisgaon Shri Laxmi Narayan
ginning & Pressing Factory,
Chalisgaon, E. Khandesh.
Colabawalla Press Factory, Nan-
durbar, W. Khandesh.
Contractor Ginning & Pressing
Factory, Kim, Olpad, Surat.
D R. Vakharia Pressing Factory,
Dakoi, Thasra, Kaira, Jambu-
sar, Bioach.
Dahyabhai & Jamsedji Gyara
Cotton Press, Nandurbar, W.
Khandesh.
Darasha Rustomji Cotton Press-
ing Factory, Derol, Kalol,
Gujrat.
Deccan Ginning & Pressing Co.
Ltd., Gadag, Dhawar, Hubli,
Dharwar.
Dhulia Cotton Co's Press Factory,
Dhulia, W. Khandesh
Eastern Cotton Trading Co's
Press Factory, Dhulia
Gamadia Pressing actory, Gadag,
Dharwar.
Ghelabhai Pragn Desai, Jalalpore
Road, Navsari, Surat.
Hyderabadly Manufacturing &
Pressing Factory, 24-25, Reay
Road, Bombay, 10.
Indian Cotton Oil Co. Vajalpore
Road, Navsari, Surat.
Ishverlal Dahyabhai Desai,
Jalalpore Road, Navsari, Surat.
Ishwardas Stores Gin & Press,
Dhanduka, Ahmedabad.
J R Vakharia & Sons Press Fac-
tory, Kapadwani, Kaira.
Jayantilal Ranchodlal Press, Vi-
ramgaum, Ahmedabad.

FOR MODERN FURNITURE, PLEASE TRY:
CORONATION FURNITURE MART, KARTARPUR, N. W. R.

Laxmidas Premji, 8, Bow Bazar St., Calcutta.
 Mahananda Dutt & Co., 65, Strand Rd., Calcutta
 Mahesh Ch., Bangshiddhai Kundoo 2A, Ram Kumar Rakshit Lane, Calcutta.
 Munnalall Dwarkadas, 76, Burtolla St., Calcutta
 Nafai Dulal Sreemani, 9, Ramkumar Rakshit Lane, Calcutta
 Nandalal Kuari, 99, Darmahatta St., Calcutta.
 Nanuckram Blisseswaral, 20, Cotton Street, Calcutta
 Panchanan Ash & Co, 2B, Ramkumar Rakshit Lane, Calcutta
 Rai Ch Chail & Co, 152, Cotton Street, Calcutta.
 Rameswarlal Jadavjee, 80, Clive St., Calcutta
 Ramgopal Ram Ratan, 5, Burtolla St., Calcutta.
 Ramkristo Rakshit, 4, Burtolla St., Calcutta
 Sedhnull Onkaimull, 21, Cotton St., Calcutta.
 Shashi Bhushan Gour Mohan Dey, 107, Darmahatta St., Calcutta.
 Shevnanarayan Ramratan & Co, 14, Burtolla St., Calcutta
 Sudhir Prosal Kuari, 90, Burtolla Street, Calcutta.
 Surendra Nath Sushil Kumar Sreemani, 33, Nalini Sett Road, Calcutta

DELHI.

Bishember Dial Jai Narain, Khari Baoli, Delhi.
 Lala Pearey Lal Lakh Mall, Khari Baoli, Delhi
 Mangal Stores, Raisina, New Delhi
 Moti Ram Makhan Lal, Khari Baoli, Delhi

INDIAN STATES.

Bhanji Lawji, Porbandar
 Devidas Chhagan, Jafarabad, Kathiawar
 Gokul Hirji, Jafarabad, Kathiawar.
 Karsan Valabh Jafarabad, Kathiawar.
 Kurjee Jagadish, Jafarabad, Kathiawar.
 Laldas Nagardas, Jafarabad, Kathiawar.

Narian Makan, Jafarabad, Kathiawar.

Pranjivan Nandlal, Jafarabad, Kathiawar.

Ratansi Devji, Panchhatdi, Junagad, Kathiawar.

KARACHI.

Gohumal Dasumal, Joria Bazar, Karachi

Mulehand Jethanand, Badin, Karachi

Seth Udeinomal Pheoomal, Jhimpur, Taluka Tota, Karachi.

MADRAS.

Rajan & Company, 26, Andlappa Naick St., G T., Madras.

Srinivas Provision Stores, Tirupitane, Madras

MADRAS PRESIDENCY.

B. Subblah, Cocanada, Godavary, Lingam & Co., Coimbatore, S India (Rose Brand Ghee & Cooking Butter).

P K Varadachari & Co, Jammalamadugu, Cuddapah.

P. Suthusami Co, Tavampalayam, Dharampuram

Thupur Ghee Manufacturing Co, Thupur, S I Ry.

PUNJAB.

Anantiam Mulkiar, Klangarhi Dogian, Sheikhpura

Devidas Kanshiaram, Bhalwal, Saigodha.

Godharam Jiwandas, Jaranwala L Lila Ram, Iqbalnagar, Punjab

Mahesh Das Gillaram, Pindi Bhatian, Punjab

Sunder Singh Tara Singh, Pindi Bhatian, Punjab

Thokaram Musaddilal, Mian Channun, Punjab

UNITED PROVINCES.

Amarchand Chandanmal, Mahoba Azad & Co, (Govt Contractors), Grand Trunk Rd, Aligarh.

Baldeo Pd, Fyzabad, U.P.

Basantlal Khacheer, Nayaganj, Hathras.

Bholanath Pyailal, Bharatpur, Gate, Muttra.

L Madan Gopal Danji Dayal, Nayaganj, Hathras City.

Bholanath Ramprasad, Collector-gunj, Cawnpore

Chotmal Jiwaraj, Hinganghat.

Ganeshprasad Kunjal, P. O. Mau Ranipuri, Mau, Dt Jhansi

**FOR MODERN FURNITURE, PLEASE TRY:
 CORONATION FURNITURE MART, KARTARPUR, N. W. R.**

Gaumudia's Factories, Ltd.,
Cotton Pressing, Davangere,
Chitaldrug.
Ginning Factory, Dhoraji, Gondal,
Kathawar.
Kalidas Naran Das Cotton Gin-
ning Factory, Itola, Baroda.
Marwai Cotton Ginning Factory,
Brihapura Road, Jodhpur.
Motilal Nathalal Ginning Factory,
C/o Sheth Nathalal K. Nar-
simhji's Pole, Dabhoi, Baroda.
Porbandar Cotton Press, Porban-
dar.
R. Hanumanthappa & Sons, Ginn-
ing, Decorticating & Pressing,
Davangere, Chitaldrug.

MADRAS PRESIDENCY.

Bellary Cotton Press Co., Ltd.
Bellary, Bellary Dist.
Deccan Pressing & Ginning Co.,
Guntur.
Goculdas Cullianji, Ahmednagar
Cotton Press Co., Ltd., Adoni,
Bellary.
Indian Cotton Co., Ltd., Tirupur,
Coimbatore.
K. A. Palaniswami, S. V. V. G.
Factory, Tirupur.
Nandyal Press, Nandyal, Kurnool.
Tinnevely Cotton Press Co., Ltd.,
Dindigul, S I

PUNJAB.

Arjan Cotton Factory & Press,
Phullarwan, Shahpur.
Shagwant Cotton Factory,
Sargodha, Shahpur.
Bashwambharial Bisheshwailal,
Panipat, Kainat.
Desh Cotton Factory, Chuha-
kana, Sheikhupura.
Duiga Dass Bhagwan Das, Kasur,
Punjab.
Hindu Cotton Press Co., Ltd.,
Ambala City.
Ganesh Cotton Factory, Sheikhu-
pura.
Guru Ramdas Cotton Mills,
Grand Trunk Road, Amritsar.
Indar Cotton Ginning & Pressing
Factory, Mian Channu, Multan.
Khalsa Cotton Factory, Sangla
Hill, Sheikhupura.
Majha Cotton Factory, Patti,
Lahore.
Manohar Lal Bhadwar & Sons,
Jhang, Punjab.

New Mofussil Co., Ltd., Faisal,
Guigaon.
Onkar Cotton Ginning & Pressing
Factory, Lyallpur.
Punjab Cotton Press Co., Ltd.,
Bharat Buildings, Lahore.
Raj Cotton Factory, Malakwal,
Gujrat.
Seth Sukhdev Bux, Gofra, Lyall-
pur, Punjab.
Tata's Empress Mills, Ginning &
Pressing Factory, Lyallpur.
Tirth Ram & Sons, Chak
Jhumia, Lyallpur.

SIND.

Eduji Dinshaw Pressing Factory,
Mirpurkhas, Thar Parkar,
Karachi.
Hiranand Notandas Gin and Press
Factory, Shahdadpur, Nawab-
shah.
Karachi Press Co., Ltd., Karachi.
Manghanmal Wadhwal, Tando
Adam, Nawabshah.
Pahlumal Motiram Cotton Gin-
ning Factory, Mirpurkhas,
Thar-Parkar.
Seth Kundomal Alim Chand,
Shahdadpur, Nawabshah.
Vishindas Nihal Chand, Hydera-
bad, Sind.

UNITED PROVINCES.

Amolak Chand Mewaram Factory,
Maqdamganj, Khurja, Buland-
shahr Dt.
Bajunath Balmakund Cotton Gin-
ning & Pressing Factory, Ma-
dhoganj, Haidor Dt.
Balmakund Cotton Ginning &
Pressing Factory, Mursan Gate,
Hathras, Aligarh Dt.
Broach City Press Co., Ltd., Be-
langanj, Agra.
Cawnpore Hydraulic Press, Coop-
erganj, Cawnpore.
Chaturvedi Cotton & Ginning Fac-
tory, Ferozabad.
Cotton Hydraulic Press, Mohalla
Cooperganj, Cawnpore.
David Mills Co., Ltd., Mendu
Gate, Hathras City, Aligarh Dt.
Gopal Cotton Ginning & Pressing
Factory, Muttra.
Gopalrai Govindram Cotton Gin-
ning & Pressing Factory, Delhi
Gate, Aligarh.

Be Agents of The Indolite Mfg. Co. Ltd., Bhavnagar, (Kathiawar),
Mfrs. of Bakelite Fancy House-Hold Articles & Electrical Accessories.

Jivanram Jodhray Press Factory, Dhulia, W Khandesh.
 Kalabhai Pragn Pressing Factory, Bardoli, Surat.
 Kanji Shivji Gin & Press Factory, Jalgaon, E Khandesh.
 Khandesh Mills Gin & Pressing Factory, Kargad, Athani, Belgaum.
 Kisandas Dwarkadas Press Factory, Shirpur, W Khandesh.
 Ledger Cotton Press, Darukhana, Mazagaon, Bombay.
 Madras United Press Factory, Kala-chowki Rd., Sewri, Bombay.
 Maganlal Rameshwar Gin Press Factory, Malegaon, Nasik.
 Mahajan Gin & Pressing Factory, Athni, Belgaum.
 Manekchand Vithuram Gin & Press Factory, Patur, Jamner, E Khandesh.
 Manilal Motilal Ginning & Pressing Factory, Viramgaum, Ahmedabad.
 Manohar Press, Yaval, E Khandesh.
 Mohamedally Essabhai Press Factory, Chopda, E Khandesh.
 Motiram Raghavdas Cotton Pressing Factory, Sayam, Olpad, Surat.
 Narottamdas Hanubhai Cotton Press Factory, Shahada, W. Khandesh.
 New East India Press, Karmala, Sholapur.
 New Jamner Press Factory, Jamner, E Khandesh.
 New Prince of Wales Press Co Ltd, Mazagaon, Ghorupdeo, Bombay.
 New Rajnagar Ginning & Pressing Factory, Bardoli, Surat.
 Paragji Ranchodji & Co, Pressing Factory, Navsari, Jalalpoore, Surat.
 Parbhuram Manilal Gin & Press Factory, Pandharpur, Sholapur.
 Patel Cotton Press Factory, Elphinstone Road, Patel, Bombay.
 Ratanji Fardunji & Sons Pressing Factory, Broach.
 Ratonji Furdunji Vakharla, Chikhli Road, Bilimora, Surat.
 Sangappa Yelamali Ginning & Pressing Factory, Gadag, Dharwar.

Saraswati Cotton Gin & Pressing Factory, Bail-Hongal, Samppgaon, Belgaum.
 Shah Vakil Ginning & Pressing Co, Ltd, Kapadwanj, Kaira.
 Sheth Ratonji Viram Gin & Press Factory, Pachora, E. Khandesh.
 Shivanand Gin & Press Factory, 1, Bagalkot, Bijapur.
 Surat City Press Co, Surat.
 Swadeshi Mills Gin & Press Factory, Hubli, Dharwar.
 Trikamji Kanji Press Factory, Pachora, E Khandesh.
 Union Ginning & Pressing Co, Bijapur.
 Vakharla Press Factory, Broach.
 Victoria Cotton Pressing Factory, Hubli, Dharwar.
 Viramgaum Vepar Uttejak Ginning Co Ltd, Viramgaum, Ahmedabad.
 Volkart's United Press Factory, Dhulia, W. Khandesh.
 Whittle Gin & Press, Ranpur, Dhandhuka, Ahmedabad.

CENTRAL PROVINCES.

Bachhraj Gin & Press, Wardha.
 Gokuldas Dossa & Co, Wun, Yeotmal.
 Jafeerji Nulla Heptullabhai, Amraoti.
 Jamnadas Nursey Ginning & Pressing Co, Ltd, Digras, Yeotmal.
 Murarka Ginning & Pressing Factory, Chandur, Amraoti.
 R. B. Hardatroy Rampratap, Shegaon, Buldana.
 Seth Abhairam Chunilal Gin & Press Factory, Pipariya, Hoshangabad.
 Seth Prayagdas Narsingdas, Pulgaon, Wardha.
 Seth Radha Kisen Jakdsen, Gin & Press, Khandwa, Nimar.
 Shri Ghadand Gin & Press Factory, Anjangaon, Amiaoti.

INDIAN STATES.

Baldeo Ginning Factory, Erinpura Road, Jodhpur.
 Edulji Dinshaw Cotton & Wool Pressing Factory, Pali, Jodhpur.
 Faizoonjee Pestonjee Factory, Jalna, Aurangabad.

Bikaner State Glass Works,
Bikaner. (Also Syringes).
Daga Glass Factory, Bikaner.
Deccan Glass Works, Begampet,
Hyderabad, Deccan.
MADRAS.

Jamal Glass Works, Tondiarpet,
Madras.

PUNJAB.

Amritsar Glass Works, Grand
Trunk Road, Amritsar
Bhalla Glass Works, Ludhiana.
Punjab
Upper India Glass Works, Ltd.,
Ambala City.

UNITED PROVINCES.

All India Glass Works, Nagina
Allahabad Glass Works, Naini,
Allahabad.

B. M Glass Works, Near Railway
Station, Firozabad, U P
Bhanni Lal Glass Works, Near
Railway Station, Firozabad
Coronation Glass Works, Firoza-
bad
Fancy Glass Works, Nagina.
Friends Glass Works, Grand
Trunk Road, Firozabad
Ganga Glass Works, Ltd., P O
Balawali, Bijnor

Girdharilal Mohanlal Agarwal,
Firozabad.

Golden Glass Works, Nagina.
Hanuman Glass Works, Firoza-
bad, E I Ry.

Indian Full Moon Glass Works,
Nagina

Islamia Glass Works, Nagina.
Jain Glass Works, Vill, Harangar,
Firozabad.

Krishna Glass Works, Hathras.
M Mohd Umer Abdul Majid,
Nagina, U P

Mirza Glass Works, Chowki Mo-
halla, Firozabad.

Nagina Glass Works, Nagina,
Bijnor.

Naini Glass Works, 235, Bahadur-
ganj, Allahabad.

Najibabad Glass Works, Najiba-
bad

Pioneer Glass Works, Nagina.
Rastogi Bios, (Glass Works),
Kiratpuri, Bijnor.

Rohilkund Glass Works, Morada-
bad.

Sahu Chandni Prasad Glass
works, Dhampur, Bijnor.

Star Glass Works, Near Railway
Station, Firozabad

GLASS & GLASSWARE MERCHANTS.

(Also Consult Mirror Merchants.).

BOMBAY CITY.

A Dostmahomed & Co, 105, 107,
Bhandari Street, (Chakla St.),
Bombay 3

A. Valji & Co, 8-10, Lohar
Chawl, Bombay, 2

Aboolally Noorbhoy, 122-24, Ab-
dur Rehman St., Bombay.

All India Bottle Supplying Co,
158/155, Chackla Street, Bom-
bay 3

Amritlal Bhagwandass & Bios,
34, Krishna Niwas, Near Mum-
badevi Mountain, Bombay 3

De Laitte Lighting Co, Ltd,
Graham Road, Ballard Estate,
Bombay

Ebrahim Peer Mahomed & Co,
142, Chakla St., Bombay

Indian Jar Supply Co, Janjakra
St, Chukla, Bombay

L Ebrahim Haji Sheriff & Co,
150, Chakla St., Bombay

M Haji Hussein Fazal, Chukla
Str, Bombay, 3.

Salemahomed Padamsee & Co,
141, Chakla St., Bombay.

BOMBAY PRESIDENCY.

Abdulla & Sons, Lamda Chock,
Surat

Chhaganlal Bhikhabhai, Lamda
Chowk, Surat

Diwan & Co, Gadag, Dhawar Dt
Esmail Ramju, Lamda Chowk,
Surat

Mahomedali Ishufali, Panfradia
St, Dharampur, Surat

Shantilal Chunilal Mehta, Seth
Pole, Nadiad, Kaira.

CALCUTTA.

A Latif, B-62, 63 & 64, Municipal
Market, Calcutta

A. M Dadabhoy, 55, Canning
Str, Calcutta

Ali Mahomed & Co, 27, Old China
Bazar Str, Calcutta (Also
Lampware)

Bava Trading Co, 9, Ezra Str,
Calcutta (Glass Phials).

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Gopi Ram Ramchandra Ginning & Pressing Factory, Shikohabad, Mainpuri Ot.
 Gorakhrum Sadhuram Cotton Ginning & Pressing Factory, Khurja, Bulandshahr Dt
 Hiralal Ram Gopal Cotton Ginning & Pressing Factory, Near Malgodown, Chandausi, Moradabad Dt
 Juggilal Kamlapat Pressing Factory, Pakka Bagh Road, Etawah
 Laxmi Press, Amballa Road, Saharanpur
 Mohammad Said Cotton Ginning & Pressing Factory, Ghudia Bagh, Aligarh
 Makkhan Lal Siratilal Cotton Press, Ghudia Bagh, Aligarh

Nathoo Ram Beharilal & Co., Kasganj, Etah Dt
 Poojan Chand & Co, Belanganj, Gausala Lane, Agra.
 Radha Kapas Factory, Paramanand Building, Ait, Jalaun Dt
 Ramchand Matimul Ginning Factory, Firozabad.
 Rohta Cotton Ginning Factory, Rohta, P.O. Kakuba, Gwalior Road, Agra
 Sada Shuk Shibdayal Cotton Ginning & Pressing Factory, Haridwar, Aligarh Dt
 Shree Paibatee Mills, Chakrata Road, Saharanpur
 Vaish Ginning & Flour Mills, Mainpuri Gate, Firozabad
 West's Patent Press Co, Ltd, Mamoonbhanja, Aligarh

GINGER MERCHANTS.

Hazi Abdul Gunny, Belea, Purnea.
 Paramananda Poddar, Domar, Rangpur.

Sashi Bhushan Saha, Domar, Rangpur.
 S K Roy, Domar, Rangpur.

GLASS MANUFACTURERS.

(Also see Bangle Manufacturers.)

BIHAR

Behar Glass Works Ltd, "Darul-gany," Arrah, E I Ry

BENGAL.

Bhaist Glass Works, Dum Dum Cantonment, 24-Perge
 Hardeo Glass Works, Dacca
 Mandalassa Glass Institute, Ramnabametailla, Bally, Howrah
 Sivajee Glass Works, Howrah
 Sree Gobindeo Glass Works, Ramajatala, Howrah, Office 9, Ezra Street, Calcutta
 Victoria Glass Works, Ghosery, Howrah

BOMBAY CITY.

National Glass Works, Mazgaon, Bombay 10
 Western Indian Glass Works, South Rd, Panchmahal, Bombay

BOMBAY PRESIDENCY.

National Glass Works, Poona
 Ogale Glass Works, Ltd, P O Ogalevadi, Satara
 Palsa Fund Glass Works Talegaon, Dabhade, Poona

CALCUTTA.

Bengal Glass Works, Ltd. Church Rd, Dum Dum, Calcutta

Binapani Glass Blowing Works, 1/A, Ramchand Ghose Lane, Calcutta, (Syringes, etc).
 Calcutta Glass & Silicate Works, 6B, Kundu Lane, Calcutta.
 Crystal Glass Works Ltd, 137, Canning St, Calcutta
 Imperial Glass Works, 9, Ezra Street, Calcutta Factory 47, Bahui Surah Road, Bellaghatta, Calcutta.

J Mayr, 1, Mission Row, Calcutta.
 New Indian Glass Works, (Calcutta) Ltd, 7, Rawdon St, Calcutta

Oriental Glass Works, 58, Bahir Suia Road, Calcutta

CENTRAL PROVINCES

Central Glass Works, Imambada Road, Circle No 2, Nagpur City.
 Jewel Glass Factory, Civil Station, Jubbulpore

Nagpur Glass Works, Nagpur
 Onama Glass Works, Gondia

DELHI.

Ishwai Glass and Pottery Works, Okla, Delhi

INDIAN STATES.

Bikaner Glass & Pottery Works, Industrial Area, Bikaner

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LAHORE.

Mahe Singh Sapuran Singh
Chawla, The Mall, Lahore

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Abdul Rahim & Bros, 18, Even-
ing Bazar Road, Madras
K. S. Shivji & Co., 178/79, Broad-
way, Madras. Br —Bombay,
Calcutta & Colombo
Poppat Jamal & Sons, Jamal
Building, Broadway, Madras.
R. Ramanujah, 87/88, Devaiaya
Mudaly St., Madras
Sahibjan Sahib, 30, Nainiappa
Naick St., Madras. (Bead).
T. L. Fathy & Co., 1-2, & 67,
Malaipetumal St., G.T., Madras.

MADRAS PRESIDENCY.

A. Ram Bhat & M. Srinivas Pra-
bhu, Car St., Mangalore
T. R. Rangaswamy Naidu, 341, 42,
Big Bazar Street, Trichinopoly.

N. W. F. PROVINCE.

Peshawar House, Peshawar City.

PUNJAB.

Amir Chand & Sons, Rawalpindi
Cantt.

Upper India Glass Works Ltd.,
Ambala City

UNITED PROVINCES.

Abdul Hammed Abdul Majeed,
Nagina

Abdul Aziz Abdul Rahman,
Nagina, U P

Gur Pd. Hira Lal, Chowk, Allaha-
bad.

Hanuman Glass Works, Firoza-
bad, M I Ry.

Mohd Ismail, Nagina

R. Avasthi & Company, Noughana,
Cawnpore, (Bottles).

Sote & Co., Bijnor, U P.

GLASS BANGLES MANUFACTURERS.**BOMBAY CITY.**

Bhogilal Rajaram, 59, 3rd Bhoi-
wada, Bhuleswar, Bombay 2

Bulakhidas Kasturchand, 3rd Bhoi-
wada, Bhuleswar, Bombay 3

C. Meiwani & Co., 154, Bazar
Gate Street, Fort, Bombay

Chhogmal Rakhabin & Co., 108,
Bohria Bazar St., Fort, Bombay.

Chhoglal Tarachand & Co.,
Abedin Bldg., Bhundi Bazar,
Bombay.

F. F. Kavarana & Co., 23, Masjid
Bunder Road, Bombay 3

Hiralal Mohanlal, Banian Road,
Bombay 9

Manchershaw Hujbhoy & Co.,
Bazar Gate St., Fort, Bombay.

Manfar Rahimutalla Karimbhai,
3rd Bhoiwada, Bhuleswar,
Bombay No 2.

Manockji Pallani & Co., 45, Bazar
Gate Street, Fort, Bombay.

Nanchand Gulabchand, Parikh &
Co., 57, Kolbhat Street, Kalbade-
vi Road, Bombay 2

Pavri Sons & Co., 95-97, Bazar
Gate Street, Fort, Bombay.

S. C. Karanjia & Co., Bazar Gate
Street, Fort, Bombay

Sha. A. Ramanlal & Co., 153,
Bazar Gate St., Fort, Bombay.

Sha. Aidanji Sajani & Co., Bazar
Gate St., Fort, Bombay.

Sha. Bulakhidas Kasturchand, 3rd
Bhoiwada, Bhuleswar, Bombay.

Sha. Fojmal Kapoorchand & Co.,
186, Bazar Gate Street, Fort,
Bombay

Sha. Juhaimal Motiji & Co.,
Bazar Gate St., Fort, Bombay

Sha. Navlaji Dipaji & Co., 67-69,
Bazar Gate St., Fort, Bombay

Sha. Premchand Bhulaji & Co.,
122, Bazar Gate Street, Fort,
Bombay

Sha. Ratilal Bhagwanji & Co., 160,
Bazar Gate St., Fort, Bombay

Sha. Ravashanker Jetha, 3rd
Bhoiwada, Bhuleswar, Bombay.

Sha. Rikabchand Amichand & Co.,
Bazar Gate St., Fort, Bombay

Sha. Sakalchand Dalchand & Co.,
168, Bazar Gate St., Bombay

Sha. Sitaramji Kaniramji Vihani
& Co., 82, Bazar Gate Str., Fort,
Bombay.

Umashanker Prabhashanker &
Co., 3rd Bhoiwada, Bhuleswar,
Bombay 2

BOMBAY PRESIDENCY.

N. G. Works, Chinchani, Thana

CALCUTTA.

K. L. Manna & Co., 37/1/1, Cann-
ing Street, Calcutta.

S. C. Dutt & Sons, 105, Canning
Street, Calcutta

Bakelite Industry in India. Mfrs. of Fancy House-Hold Articles & Electrical Accessories. Indolite Mfg. Co. Ltd., Bhavnagar, (Kathiawar).

Bengal & Overseas Trading Co.,
84-A, Clive Str., Room No D-4,
Calcutta
Bengal Glass Stores, 10/2, Swallow Lane, Calcutta
Biswanath Dutt & Co., 203, Old China Bazar Str., Calcutta.
Bombay Glassware Mart, 22, Colootola Street, Calcutta.
C K Das & Sons, 17, College Street, Calcutta
Calcutta Glass Stores, 3, Royal Exchange Place, Calcutta.
Calcutta Glass Syndicate, 19/4, Harrison Road, Calcutta
D N Prasad & Bros., B32, 33, Municipal Market, Calcutta
Durlav Ch Mazumdar, 28/17, Old Chinabazar Str., Calcutta
F Racek & Co., 57, Radha Bazar Street, Calcutta H O.
P O Box 2006, Bombay 2
Br—P O Box 1248, Madras,
P O Box 389, Colombo
Glassware House, 73, Colootola Street, Calcutta.
Henry B Lyon, 175A, Lower Circular Road, Calcutta
Indian Bottle Stores, 7, Ezra St., Calcutta
J. Mayr, 1, Mission Row, Calcutta
Khan Mohamed & Bros., 28/16, Old China Bazar Str., Calcutta
M D Rahmat Ellahi & Bros., 73, Colootola Street, Calcutta
M. Rahmuddin & Co., 84/1, Harrison Road, Calcutta.
O T Kader Basha Sahib & Bros., 17, Ezra St., Calcutta
R D Dutt & Bros., 79/2 Harrison Rd., Calcutta
Rajabally Lookmanjee & Co., 212 Old China Bazar Str., Calcutta (Also Enamelled Wares)
S Md Ishaq, Md Idris, 73, Colootola Str., Calcutta
S Mohamed Said & Bros., 73, Colootola Street, Calcutta
S N Paul & Bros., 186 Old China Bazar Str., Calcutta
S P Singha & Co., 67, Ezra Str., Radhabazar, Cal (Also Corks).
S W. Hariprasad & Sons, B23, 24, Municipal Market, Calcutta
Sankarlal Paul & Bros., 184, Old China Bazar Str., Cal.

Sat Cowli Das, 196, Old China Bazar St., Calcutta.
Satya Charan Pal, 194, Old China Bazar St., Calcutta.
Sen & Nephew, 80, Chandni Chowk St., Calcutta.
Woomachurn Dey, 180 & 181, Old China Bazar Str., Cal (Also Coirmats, Brushware, etc.)

DELHI.

Calcutta House, Suddai Bazar, Delhi
Dhanpat Rai & Son, Delhi
Himalaya Trading Co., Fatehpuri, Delhi
Md Shafi & Co., Near Qutab Rd., Delhi
Mohammad Anif Co., Saddar Bazar, Delhi -

INDIAN STATES.

Damodar Das Nagori, Lashkar, Gwalior
Haji Abdula Haji Umai, Mandvi Chowk, Junagad, Kathiawar.
Haji Umai Kasam, Mandvi Chowk, Junagad, Kathiawar
Kolhapur Trading Agency, Fort Market, Kolhapur
Nathoo Laljee, Hill St., Secunderabad, Deccan
Sheeth & Co., Pala Bazar, Botad, Kathiawar.
Sree Rama Krishna Stores, Sree Krishna Bldgs., Maleswaram, Bangalore
Yusuf Ali Hasan Ali, Loha Bazar, Bhopal

KARACHI.

Abdul Rahim & Sons, Elphinstone Street, Karachi (Also Crockery ware)
Byramji Edulji & Co., Victoria Rd., Karachi
Ebrahimji Esmailji Lotia, Bunder Rd., Karachi
Haji Zaharia Abdul Satar, Booras Street, Camp, Karachi.
Hariram Soonderji Soosania, Elphinstone Street, Camp Karachi.
Household Stores, Elphinstone St., Camp, Karachi.
Jayabali Khadibhoy & Co., Bunder Rd., Karachi
T Vishindas & Co., Bunder Road, Karachi
Tayabali Khadibhoy Lotia & Co., Rambharthi Rd., Karachi

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Benares Industries, Ltd., Chowk, Benares.

Gulab Chand Lakshmi Chand, Kinari Bazar, Agra.
Manohardas Ramswarup, Meston Road, Cawnpore.
Panday Ji Bhola Nath, Kinari Bazar, Agra.
Ram Das Shayam Das, 37/100, Gopal Mandir, Benares City.

GRAINS & SEEDS DEALERS.

ASSAM.

Jadomall H Bux, Barpeta Road, Kamrup (Mustard)
Onkar Cotton Mill, Salmara, South, Dhubri, Assam.

BENGAL.

Amulya Charan Biswas, Banpur, Nadia
Benarashu Lall, Plassey, Nadia. (Aihai, Gram, Linseed, etc).
Dina Bandhu Hari Bandhu Saha, Samsabari, Mymensingh.
Gopinath Bonomali Basak, Saisabari, Mymensingh.
Khedan Ram Rangyatam Ram, Tulshihata, Malda (Mustard)
Kishori Rice Mills, Contai Road, P O Belda, Midnapur.
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Mukunchand Behari, Malanda Bazar, Mymensingh (Mustard).
Nayesh Chandra Singh, Bongaon, Jessore.
P. C Saha, Arani, Rajshahi
Ranjit Kanta Das, Santipur, Nadia. (Kala).
Sanjit Kumar Paramanick, Gangnapur, Nadia (Kala, moong, masoor and matai)
Sewjee Ram Chopua, Bhurungamari, Rangpur. (Mustard).
Sush Chandra Saha, Chatmohar, Pabna (Kala, mosui, khesai).

BIHAR.

Badudas Rangilal, Salmari, Purnea. (Mustard).
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Bhagwan Dass & Co., Sultanpore, Dinapur, Patna
Bharatia Bros & Sons, Raxaul, Champaran
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S Abdul Ghani Abdul Moghni, Gold Road, Dinapore Cantt.

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Damji Praggi & Co, 4th Lane, Dana Bunder, Bombay.
Hajee Kaimally Kassam & Co., Habib Building, Palagali, 6, Samuel St., Bombay.
Haji Govindji & Co, 45, Baroda St., Dana Bunder, Bombay 9.
Br —Cherital, Jubbulpore.
Hoosainbhoy Hassum, 168, Samuel St., Bombay.
Jehangir Ruttonji Dubash, 24, Carnac Bridge Road, Akbar Pies, Bombay.
Karabhai Ramp, 23, Kuria Str., Bombay.
Kilachand Devchand & Co., Ltd, Allahabad Bank Buldg, Apollo St, Fort, Bombay.
Lalji Poonji & Co, 3, Chinch Bunder Rd, Bombay 9.
Mulji Devshi & Co, 1st Lane, Broach Street, Dana Bunder, Bombay.
Nagindas Sarupchand, Chinoy Building, Musjid Bunder Road, Bombay. (Linseed, Wheat).
Nappoo Nensee & Co., 188, Argyle Road, Dana Bunder, Bombay.
Popatlal Moolchand, Gaya Bldg, Musjid Bunder Road, Bombay
R. Ratilal & Co, Teyu Kaya Bldg, Old Chinch Bunder Road, Bombay.
Ravi Ganpat & Co, "E" Lane, Dana Bunder, Bombay.

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Pahargani, Delhi.
Mohd Idris, Bazar Sita Ram.
Delhi
Mohd Ramzani, Gali Halwian.
Pahargani, Delhi.

INDIAN STATES.

Bhagwat & Co, Kolhapur.

C A Moulabux, Jodhpur.

UNITED PROVINCES.

Basdeo Balkrishna Baugh Cutting Factory, Firozabad, Agra.
Gurwardhari Lall, Mohan Lall Agarwal, Firozabad.
Hanuman Glass Works, Firozabad, E I Ry.
Indian Glass Works, Firozabad
Radhamohan Ratanlal, Firozabad, Agra

GLUE DEALERS & MANUFACTURERS.

Atlas Glue Factory, Amritsar.

Bansidhai Dutt, 126, Khengraputy Street, Calcutta (Also Indian drugs).

Eastern Merchants, (Estd 1920), 14, Old Court House Lane, Calcutta

M. P Gupta & Co. Kursawan, Cawnpore

Searchlight Dairy Farm, Anand P.O., B.B. & C. I. Ry. (Casein & Glue Powder).

Shaw Wallace & Co, Fertilizer Dept, Bankshall Str. Calcutta

GOLD & SILVER THREAD MANUFACTURERS.

BOMBAY PRESIDENCY.

Amrutbhai Jethabhai, Mancherpura, Surat.

Atmaram Bulakhidas, Mancherpura, Surat

Bhagvandas Lallubhai, Laldarvaja, Gundiseri, Surat

Bhaichand Gulabchand, Mancherpura, Surat.

Bhukhamdas Ambaram, Mancherpura, Surat

C B Nanavati, Lumboosery, Surat.
Chunilal Maneklal, Mancherpura, Surat.

Ghelabhai Dayaram Shikari, Mancherpura, Kolsavad, Surat

Govindbhai Durlabh, Moti Sheri, Surat

Gulabchand Kashiram, Mancherpura, Surat.

H B Nanavati, Mahidharpura, Limbuseri, Surat

Harkisandas Jamnadas, Motiseri, Surat.

I C Gandhi, 462, Limbu St., Surat.

Jagmohanlal Dahyabhai, Laldarvaja Gundi Seri, Surat

Jekishandas Ramsa, Gopipura, Surat.

Motiram Pramchand, Mancherpura, Surat.

Nathubhai Vithaldas, Mahidharpura, Baliseri, Surat

Ranchhodas Jagjivandas, Motiseri, Surat.

Rangidas Uttamram, Mancherpura, Kharadiseri, Surat.

Shantilal Mohanlal, Chhapariaseri, Surat

Sita Ram Kandas, Rampura Rd, Surat

Thakordas Balabhai Patel, Lum-buseri, Surat

Thirajram Tribhovandas, Sagamura, Surat

Vatu Uhai Chunilal, Gopipura, Surat

Vijbhukhandas Aditram, Mancherpura, Surat

DELHI.

Behari Lal Pearey Lall, Fatehpuri Bazar, Delhi

Krishna Silver & Gold Thread Factory, Turkoman Gate, Delhi.

INDIAN STATES.

Mysore Gold Thread Co, Ltd, Bangalore City

P Subramania Chettiar, Chalar, Trivandrum, Travancore

S M Dhaktappa & Sons, Chickpet, Bangalore

MADRAS CITY.

K M Subbier & Sons, 104, Nainappa St, Madras

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Pierce Leslie & Co, Ltd, Coimbatore

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Peth, Bangalore City.
Jannadas Bhany, Rajendra Road,
Jannagai, Kathiawar.
K Ramanna & Bros. Santhejet,
Mysore
Kala Magu, Bazai, Junagad,
Kathiawar.
Kala Pitambai, Junagadh, Kathia-
war.
Louis Dreyfus, Manu Building,
Jannagar, Kathiawar.
Malali Venkatappa, Kadur,
Mysore State
Muhammad & Co. Abboobucker
Hajee C., Quilon, Travancore.
Pampanna Kashappa Shettar,
Kopbal, Nizam's State.
Punya Dosa, Khojavad, Jannagar,
Kathiawar.
Rajitsinghi Oil Co. New Road,
Jannagar, Kathiawar.
Tayob Ahmed, Santapeth, My-
sore
Valamji Rajpal, Bazar. Moivi,
Kathiawar.

KARACHI.

Basantlal Ramkumar, Serai Road,
Karachi.
Salleh Mohamed Omeri Dosai,
Dosaiani Bldg. Napier Road,
Karachi
Vishunji Sons & Co. McLeod Rd.,
Karachi

MADRAS.

Adam Hajee Peermohamed
Essack, Anderson Str. Madras.
Hajee Habib Hajee Peermohamed,
Anderson Street, Madras.
Hoosen Kassam Dada, Anderson
Street, Madras

MADRAS PRESIDENCY.

A P. M. Nataraja Pillai, Negapa-
tam, Tanjore (Grain).
A S K. K. Shunmuga Nadar,
South Raja Street, Tuticorin.
Adam Noormohamed, Guntakal
Ahmed Abdul Karim, Hospet,
Bellary
Hajee Ebrahim Latiff, Adoni,
Bellary.
Hajee Jamal Noormohamed, Viza-
gapatam
K. S P. D Muthiah, South Raja
Street, Tuticorin
K T. Soundararajulu Naidu, Ne-
gapatam, Tanjore

Karim Hamed, Bellary.
Karun Latif, Anakapalle, Vizaga-
patam
M. Subramaniya Chettiar, Negapa-
tam, Tanjore (Grain).
M. T. Ponnappa Chettyar, Mundy
St., Erode.
M. V. T P. Piramanayagam Chet-
tiar, Peria Kadai Str., Tuticorin.
Nanguluri Venkateswararao Rat-
nam, Ellore
Penugonda Malliah & Co, Guntur.
S N M S Mohamed Salahudeen
Saheb, Emperor Street, Tuti-
corin.
S. P. V. Thillaiachidambara Nadar,
Aruppukottai, Ramnad.
S. S. S. Subramania Nadar, Great
Cotton Road, Tuticorin.
T. M. Kader Meera & Co. Pereira
Street, Tuticorin.
T. R. Balakrishna Reddiar, Vel-
lore
T. Sivaparakshi. Aruppukottai,
Ramnad
V S Shunmugam Pillai, French
Chapel Road, Tuticorin.

ORISSA.

Jamal Noor Mohamed, Behram-
pur, Ganjam
Tarmohamed Janoo, Cuttack.

PUNJAB.

Convillipur Farm, Montgomery,
Punjab (Cotton and Wheat)
Krishanlal Sarwan Nath, Bhal-
wal, N. W. Ry.
Ludhiana Grain Co., Ludhiana.
Mulk Raj Baldev Raj, Sialkot.
Tulstram Kidarnath Aggarwal,
Gujranwala, (Rice Baspati)

UNITED PROVINCES.

Babooram Mahadeo Prasad, Chu-
nar.
Baldeo Lal Basant Das, Palla
Bazar, Farrukhabad
Beharilal Banke Lal, Moh. Jai Jai
Ram, Kasganj.
Hajee Habib Kassam, Collector-
ganj, Cawnpore
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Lachman Prasad Gauri Shanker,
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abad.
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Adam Hajee Umar, Belgaum
 Dawood Gani Hassam, Nasik
 Dawood Moosa Kassam, Hubli, Dharwar.
 Ebrahim Hajee, Nasik
 Hajee Adam Hajee Gani, Ahmednagar.
 Hajee Ahmed Hajee Abal, Bagalkot, Bijapur
 Hajee Dawood Osman, Jalgaon, E Khandesh
 Haji Mohamed Hoosen, Chalisgaon, Jalgaon
 Harilal Khulshai, Bazar St., Dharampur, Surat
 Kailasa Dumasane, Mangalwarpeth, Sholapur
 Kasamji Mohamedji & Co, Bilmora, Surat
 Mansukhlal Govindji, Ganj Bazar, Viramgam, Ahmedabad
 Narottamdas Premchand & Sons, Bhawani Peth, Poona City
 Noormohamed Ali Abdulla, Nipani, Belgaum
 Thakar Karsonji Visanji, Patni Bazar, P. O. Anjar, (Cutch)

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 Abdul Rehman Hajee Ebrahim, 14, Amratola Lane, Calcutta
 Gallooram Gaurshankar, 29, Bantolla Str, Calcutta
 Gontiram Dedraj, 26, Burtolla Street, Calcutta.
 Grain Supplying Co, 3, Moti Seal St, Calcutta
 Hajee Adam Abdul Shakoar, 15, Amratola Lane, Calcutta
 Hajee Sattar Hajee Peermohamed, 9, Amratola Lane, Calcutta
 Hoosen Kassam Dada, 25, Amratalla Lane, Calcutta

Mohamed Hajee Gani, 11, Amratalla Lane, Calcutta
 Mohamed Ibrahim Mohamed Jaffer & Co, 16, Amratola Lane, Calcutta
 Saleh Mohamed Hajee Kassam, 23, Amratalla Lane, Calcutta.
 Shakur Haji Gani, 10, Amratalla Lane, Calcutta
 Sheovrat & Co., 152-B, Harrison Road, Calcutta & Chowk, Fyzabad, U. P.

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 Adam Gani Bilcoo, Drug, Bhatapara, Rajpur.
 Adam Hajee Kassam, Katol, Nagpur, Itwara, Nagpur.
 Alimohmed Essa, Chhindwara
 Hajee Karim Habib, Ellichpur, Berar
 Hajee Mohmed Hoosen Kassam, Akaltara, Bilaspur.
 Hajee Rehimtula Latif, Dhamangaon, Berar.
 Hajee Valimohamed Hajee Moosa, Nanded, N G. S Ry
 Mohamed Abdul Shakoar Bantwala, P O Bhatapara, Rajpur.
 Suleman Mohamed, Bilaspur.

DELHI.

Chandu Lal Suraj Mal, Naya Bazar, Delhi.
 Hardeo Sahai Nand Ram, Khari Baoli, Delhi
 Ram Gopal Bhagwan Dass, Naya Bazar, Delhi
 Udmi Ram Bhajan Lal, Naya Bazar, Delhi.

INDIAN STATES.

Abdul Aziz Hajee Hassam, Indore.
 Abdulrehman Hajee Ebrahim, Kolahpur, M S M Ry.
 Birdhi Chand Chothmal, Dhan Mandi, Beawar
 Dawood Abdulla, Begum Bazar, Hyderabad, Deccan
 Girdhar Ranchhod, Bazar, Junagad, Kathiawar
 Gokalbhai Khemji, Mandvi, Jamnagar, Kathiawar.
 H. M Venkataramana Setty, Kadur, Mysore
 Hajee Dawood Hajee Gani, Chamrajpet, Bangalore City

Krishna House, Chowk, Satna.
Rewa State.
Power Music House, Dhan Mandi,
Beawar, Merwara Dt
R. Yogendra & Co, Bazar, Morvi,
Kathiawar.
Rupraj Udeiaj, K. E M Rd.,
Bikaner.
Vardhamon P. Shah, Shroff Bazar,
Bhavnagar, Kathiawar.

LAHORE.

Babbar - Musical & General
Bazaar, 20E, Mayo Road, Mo-
ghalpur, Lahore.

MADRAS.

Mahomed Ebrahim & Co, 26/27,
Rattan Bazar, Madras.
Music Mansions, 1/174, Broadway,
Madras.
Ors Gramophone & Talkies Ltd,
Mount Rd, Madras. Br.—
Gandhi Nagar, Bezvada.
Spencers Ltd, Mount Road, Mad-
ras.

PUNJAB.

Bakhtawar Singh Musaddillal,
Karnal.

General Gramophone Agency,
Karnal.

General Gramophone Co, Feroze-
pore City.

UNITED PROVINCES.

Ahmad Bux & Sons, Etah.
Cawnpore Gramophone Agency,
Mall, Cawnpore
Dwivedi & Co., Katra Ahmadganj,
Farrukhabad.

Gramophone Co. Ltd, Agra Cantt.
Kapoor Co, Katra Ahmedganj,
Farrukhabad.

Mohd Shafi Mohd. Taqi, Najiba-
bad.

Prakash Brothers, Katra Ahmad-
ganj, Farrukhabad

Punjab Gramophone House,
5-6-7, Aminuddaula Park,
Lucknow.

S. Mohammed Hafeez Md Siddik,
Meston Road, Cawnpore.

Shaukat Ali, Bijnor.

Sirdar Co., 31, Aminabad Park,
Lucknow.

Sultan Company, 27, Aminabad
Park, Lucknow.

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Gramophone Co., Ltd, 33, Jessore
Road, Calcutta, 28, Rampart
Row, Fort, Bombay.

Hindusthan Musical Products &
Varieties Syndicate Ltd, 6-1,
Akrur Dutt Lane, Calcutta.

Hutchins & Co, P. O Box No. 335,
Mount Rd, Madras

Megaphone Co, 7/1, Harrison
Road, Calcutta.

National Gramophone Record
Mfg. Co. Ltd., 92, New Stock Ex-
change Bldg, Fort, Bombay

Pioneer Records & Musical Varie-
ties Ltd, 44, Chittaranjan Ave-
nue, Calcutta

Senola Recording Dept., 44/1,
Creek Row, Calcutta.

Twin Record Co Ltd., 33, Jessore
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Parmanand Sarjoo Prasad, Gola
Bazar, Ajodhya,
Prabhu Dayal Basheswar Dial,
Hapur, Meerut Dt
Ram Bharose Mahadeo Prasad,
Fatehganj, Fyzabad

Ram Khelawan Ajodhya Prasad,
Ajodhya
Ram Sahai Jagannath, Bara
Banki.
Rehmatula Gani, Etawah, U. P.
Sadho Ram Tirbeni Ram, Azam-
garh.
Sheo Saran Shyam Sundar, Sakle-
nabad, Ghazipur.

GRAMOPHONE DEALERS.

(Also see Musical Instruments Dealers).

AJMER-MERWARA.
Edisonia Gramophone Company,
Ajmer.

BENGAL.
Dacca Musical Mart, Victoria
Park (South), Dacca

BIHAR.
Mukherji, Nephew & Co, Kalyani,
Muzaffarpur

BOMBAY CITY.
Bombay Phono & General Agency,
518-20-22, Kalbadevi Road, Bom-
bay.

Gopal Sakham & Co, 397-99,
Kalbadevi Road, Bombay 2
Musical Products Ltd, 16, Ram-
part Row, Fort, Bombay
Vallabhdas Runchordas & Co,
Mahim, Bombay 16

Vasanta & Co, 181, Lady Jam-
shedji Road, Dadar, Bombay 14
BOMBAY PRESIDENCY.

Balubhai Harjivandas Tanna,
Khatriwad, Bulsar, Surat
Shri Gajanan Phono Works,
Laxmi Road, Poona 2

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B K Desai & Co, (Bee-k-Phone
Works), 40, Tangra Road, Cal-
cutta.

Bombay Music Mart, 11, Lower
Chitpur Road, Calcutta
C C Saha Ltd, 170, Dharamtala
Str, Calcutta.

F. Staheli & Co, Post Box No.
2074, Calcutta. (Excelsior Port-
able).

Gramophone Co, Ltd, 33, Jessore
Road, Dum Dum, Calcutta
Joseph Herberts & Co, 61, Ben-
tineck St, Calcutta

K C Dey & Sons, 80, Lower
Chitpur Road, Calcutta
Lily Music House, 121, Bowbazar
St, Calcutta

M. L. Shaw Ltd, 5/1, Dharamtala
Street, Calcutta.
Megaphone Co., 77/1, Harrison
Road, Calcutta.
Mulleck Brothers, 182, Dharam-
tala Str, Calcutta.
N. B Sen & Brothers, 11, Esplan-
ade East, Calcutta.
Nagina Musical Products Co., 18,
Mirzapur St., Calcutta.
Relief Watch Co., 80, Lower Chit-
pore Road, Calcutta.
Ruby & Co., 309, Bowbazar Str.,
Calcutta.
Senola Musical Products Co, 183,
Dhurrumtola St., Calcutta
T. E. Bevan & Co. Ltd., 21, Old
Court House St. Calcutta. Br.
Mussorie

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Wardha.
Kohinoor Gramophone Co. Resy.
Rd., Nagpur.

DELHI.
Maharaja Lal & Sons, 703,
Chandni Chowk, Delhi

INDIAN STATES.
Abdul Hussain Mohd. Ali, Bohron-
ka Mohalla, Kotah.
General Phone Co. K. E. M. Rd.,
Bikaner.
Gramophone Co. Ltd, 45, South
Parade, Bangalore
Imperial Music Stores, Juna Top-
khana, Indore City.
Jairam Purshottam, Topkhana,
Indore City
Joshi Bros., Rajkot Pura, Kathia-
war
Kesrimal Kewal Chand, Dhan
Mandi, Beawar, Merwara Dt

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 Amritsar.
 Hajee Gani Mohd Master & Co.,
 Mahfuzkhan's Garden, Madras.
 Health Sports Coy., Sialkot City.
 Br —Perak, (F. M. S.).

Mohamed Sulaiman & Co, G 25,
 Mahfoozkhan's Gate, Madras.
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 Hide Market, Amritsar.
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 Bengal Stores Ltd., 8-A, Chow-
 ringhee Place, Calcutta.
 Ghanshamdas Teckchand, Old
 Market, Karachi

Kumaraswamy Naidu & Sons,
 C S. C 37, Basavayyan Street,
 Washermanpet, Madras
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 Bros, Chowk, Triplicane, Mad-
 ras (Also Lungi).
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Esmailji Abdul Ali, Naya Bazar,
 Ajmer.
 Jiwanji Hiptullahji, Naya Bazar,
 Ajmer.
 Mohd Ali Abdul Ali, Naya Bazar,
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ASSAM.

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 Comilla.
 Kamalbasini Debi, Katwa, Burd-
 wan.
 Mati Lal Sircai & Sons, Lahagara,
 P O, Jessore Dt
 R D. Mehta & Co, Main Road,
 Asansol, Burdwan Dt.

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 pur, Patna.
 Ghosh Brothers, Bankipore,
 Patna
 Hira Lal & Sons, Bakergunj,
 Bankipore, Patna
 Iron Washer Mfg Co, Hazaribagh
 Rd, Suriya, Hazaribagh
 Ramchandra Ram, Chaibassa,
 Singhbhum
 Ramgulam Sah Naubat Ram,
 Maharaganj, Dt Saran.
 S Rahim Buksh & Bros, Bankipur.

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A Hatumbhoy & Co, Carnac
 Bunder, Bombay No 3
 A Narandas & Co, 59, Lohar
 Chawl, Bombay.

Agarwal Hardware & Metal Co,
 20, Dadiseth Agiary Street,
 Kalbadevi, Bombay.
 B A Husen & Co, 120, Lohar
 Chawl, Bombay 2
 B. Odhavji & Co, Carnac Bun-
 der, Bombay
 Bombay Tube & Hardware Mart,
 26, Nagdevi St, Bombay
 British Mannesmann Tube Co.,
 Ltd, Wakefield House, Spratt
 Rd, 16, Ballard Estate, Bom-
 bay, 10, Clive St, Calcutta.
 G. K. Pichan & Co, 43, Forbes
 Street, Fort, Bombay
 Gibbs Trading Co, Mahindra
 Mans, Esplanade Rd, Bombay.
 H. A. Khambaty & Co, 13, Lohar
 Chawl, Bombay
 H. E. Muchhala & Co, 176, Bazar
 Gate Street, Fort, Bombay.
 Jannadas Chaturbhuj & Bros,
 92, Vithalwadi, Bombay 2
 Kooverji Deoshi & Co, Lohar
 Street, Bombay.
 Kurwa & Kaji, 142/44, Abdoor
 Rehman Street, Bombay
 M Dawoodbhai & Bros, Harar-
 walla Building, Lohar Chawl,
 Bombay.
 M M Thakar, Carnac Bunder,
 Bombay.
 Mahinkar & Co, Ramchandra
 Bldg, Aideshir Dady Street,
 Bombay.
 N Adamally & Sons, 277, Nag-
 devi St, Bombay 3 Br —Surat.
 National Industrial Works, 380,
 Girgaum Road, Bombay.

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Victoria Phone Record Co., 170,
Harrison Road, Calcutta.

Viel-O-Phone Co.; Mahim, Bom-
bay 16.

GROUNDNUT DEALERS.

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Hasam & Kasam Ayob, 9-10,
Anderson St., Madras
Louis Dreyfus & Co., 99, Arme-
nian St., P. O. Box No 112,
Madras

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G. Subbiah Chetty & Seshappa
Chetty, Anantapur
G. Venkatesayya, Decorticating
Factory, Kadiri, Anantapur.
Guduthur Thinappa Bros, Bellary.
K. Muniswamy Chetty & Co,
Badarpet, Kalahasti
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Groundnut Shelling Factory,
Tadpatra, Anantapur.
Kottah Punnah & A. Rungiah,
Guntur.
Lakshminarayan Ginning &
Groundnut Shelling Factory,
Nallagath, Kurnool.
M K Chidambaram & Co., Ka-
rur, Trichinopoly.
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ning & Groundnut Shelling

Factory, Kurnool
Mudi Basappa Balloh, Gadag
Pakkam Errappa & Bros, Urava-
konda, Anantapur.
R Timmalai Chettiar, Valavanur,
S Arcot.
Raya Rungiah Naidu, Pakala,
Raichur.
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Groundnut Decorticating Fac-
tory, Tadpatra, Anantapur.
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Erode.
Sri Satyanarayana Rice &
Groundnut Factory, Chipuru-
palle, Vizagapatam
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Road, P. O. Box, 87, Karachi.
Das & Co., 60, Sikdar Bagan St.,
Calcutta
Gorden's Gum, Bunder Rd., P O
Box 87, Karachi.

M. Bagh & Co., 5, Swallow Lane,
Calcutta. Factory —5, Gopi-
krishna Paul Lane, Calcutta.
Maher Chemical Works, 49, Nai-
gum Road, Dadar, Bombay.
Pearl Industrial House, Suddar
Bazar, Rawalpindi. (Paste).
Tombare & Sons, P O Chinaval,
E Khandesh
Zenith Ink & Gum Products Co.,
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Calcutta

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& Jute).
Damodardas Lalji & Co., 30,
Mirchi Lane, Mandvi, Bombay.
Jute & Gunny Brokers Ltd., 8,

Royal Exchange Place, Calcutta
Luchminarain Kanoria & Co.,
134, Canning St., Calcutta
Purshottam Bhanji Co., Old
Bardan Gully, Isaji Street,
Street, Bombay

GUT DEALERS.

Ad. Meyer, 5, South Tangra Rd.,
Calcutta.

British Cattle Casing Gut Co.
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Railway Engineering Co., 33/4, Middle Road, Entally, Calcutta.

S. C. Dass & Co., H. O. 178, Bellilos Road, Howrah. Eng. Works & Iron Foundry: Old Benares Road, Howrah.

S. Der & Brother, 18, Durmahatta Street, Calcutta.

Satyendra Mohan Nandy & Kallpada Nandy, 39, Wellington St., Calcutta.

Shamji Jutha Bhai, 84A, Clive Str., Calcutta.

Sreenath Bera, 7/9, Darmahatta St., Calcutta.

Standard Metal Co, 77/1, Clive St., Calcutta.

Stewarts & Lloyds Limited, Victoria House, Chowringhee Sq., Calcutta. (Tubes).

Suboi Dutt & Sons, Ltd, 39, Clive Str., Calcutta.

Suresh Chandra Mukherjee & Co, 11, Raja Woodmunt Str., Cal.

Surendra Nath Ghose & Co, D/12, Juggernath Ghat Lohapatty, Bara Bazar, Calcutta.

Swami & Co., 40/1, Strand Road, Calcutta. (Spring and various steel specialists).

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Madho Ram Budh Singh, Chawri Bazar, Delhi.

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Gulam Hussain & Co, Mattancherry, Cochin.

Habib Ebrahim Kachwala, Bantva, Kathiawar.

Hajee Dawood Moosa, Bantva, Kathiawar.

Haji S. E. Bagasarwale, Siaganj, Indore City.

Harak Chand & Sons, K. E. M. Rd., Bikaner.

Jivaji Adampji, Voia Bazar, Bhavnagar, Kathiawar.

Kadarbhai Moosaji, Rajkot Pura, Kathiawar.

Kotah Genl Stores, Nayapura, Kotah.

L. C. Shyam Dass, Rakhi House, Jodhpur.

M Abdul Khodir Sahib, General Bazar, Mysore.

Maganbhai S Patel, Gandi Gate Road, Baroda.

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 Shantilal Parmanand & Co, Carnac Bunder, Bombay, 3
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 Hirajal Balubhai & Co. Kanpith Bazar, Surat.
 Mistry Narayandas Bhagandas, Bechar Road, Bulsar, Surat.
 Naranlal Talakhshibhai Parikh, Patni, Ahmedabad.
 Sakarchand Chhaganlal & Co, Nadiad, Kaira.
 Sidramapa Haibatepa, Dargopatil, Lokhand Gali, Sholapur.
 Tribhovan S Gandhi, Ahmedabad Bazar, Nadiad, Kaira.
 Vishwanath Mechanical Works, Navipeth, Sholapur.

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 A. S Abdullahoy & Co, 81, Clive St, Calcutta.
 A. T. Ali Husain & Co, 29, Strand Road, Calcutta
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 B. N. Chatterjee & Sons, 38, Benia Fukur Road, Entally, Cal
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 D. L. Singha & Co, 26, Wellington St, Calcutta (Spiral Stair).
 D. P. G. & Sons, 5, Swallow Lane, Calcutta.
 Dey Ghose & Co, 133, Chandney Chowk, Calcutta.
 E. H. Taher & Co., 86, Clive Str., Calcutta.
 East Bengal Hardware Co, 213, Harrison Road, Calcutta.
 G. S. De & Co, 84/A, Clive Str., Calcutta
 Gangulice & Sircar Co., 84A, Clive St., Calcutta. (Tea Garden & Mill Stores)
 General Stores Supplying Co, 137, Canning Str, Calcutta.
 General Traders Syndicate, 84A, Clive Str., Calcutta.
 Ghose Mundal & Co, 84A, Clive Street, Calcutta
 Gopal Chunder Dars & Co., Ltd., 24, Raja Woodmont Str., Cal.
 Gosto Behary Mullick & Sons, 71/C, Clive Str., Calcutta.
 Ishun Ch Chatterjee & Sons, 110/1A, Darmahatta St., Calcutta
 J B Nundy, 73, Clive Str., Cal
 Jibon Krishna Dey & Bros, 77, Clive Street, Calcutta.
 K. C Mookerjee, Son, 27, Wellington Street, Calcutta.
 Ker & Co, 11A, Raja Woodmont Street, Calcutta.
 Khan Pal Chowdhury & Co, 84/A, Clive St, Calcutta
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Hajee Ismail Saif, 25, Harinbari
Lane, Calcutta.

Imperial Hosiery. 27, Telpara
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Hari Hosiery Factory, 8/1, Hur-
duitral Chamarla Rd., Howrah.

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Indian Pioneers' Co., Ltd., Tower
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Jhamapukur Hosiery Mills, 3,
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Jwan Bux Feroze Uddin, 7, Coloe-
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K. C. Mitra & Bros., 27, Viveka-
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Kapoor Hosiery Factory, Ltd.,
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Bahu Lane, Calcutta.

Kothari Hosiery Mill, Chaulpatty
Road, Bellaghata, Calcutta

Laboui Hosiery Factory, 87/1,
Talpuher Rd., Calcutta

Lake Hosiery, 21, South End
Park, Ballygunj, Calcutta

Meha Hosiery Mills, 13, Watkins
Lane, Calcutta.

N Bose's Behaghata Hosiery Ld.,
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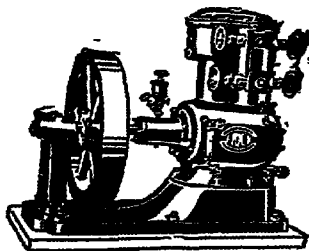
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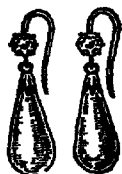
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- J. M Roy & Co, 36, Cornwallia Street, Calcutta.
- K. Banerji, 43, Strand Road, Calcutta. (Kumentz Jewelleries)
- K. C. Ghosh & Sons, 165, Bowbazar St., Calcutta.
- Kripalani & Sons, 81, Cornwallia Street, Calcutta.
- Liladhar D Thakar, 166, Harrison Road, Calcutta.
- Lilaram & Sons, D-34, New Market, Calcutta.
- M B Sirkar & Sons, 124 & 124/1, Bowbazar St., Calcutta.
- M. L. Dey, 94, Bowbazar Street, Calcutta.
- M. Lalaram & Co., 4A, New Market, Calcutta.
- M. N. Roy & Sons, 78/3A, Harrison Road, Calcutta.
- Madhavji Lavji & Co. Ltd., 156, Harrison Road, Calcutta. Br - G 48, S S Hogg Market, Cal. & Chandni Chawk, Cuttack.
- Mani Lal & Co, 173, Harrison Road, Calcutta
- Mitra Mukherjee & Co., 35, Ashutosh Mukherjee Road, Bhowanipore, Calcutta.
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 M. M. Krishna Chettiar, Mandy St., Erode, Coimbatore.
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 Mangaldeo Dhanapatrai & Co., Multan.
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 Roshanlal Muralidhar & Co., Chowk Bazar, Multan.
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 Gem Palace, Ajmere Rd., Jaipur.
 H S Johri, Chota Sarafa, Indore.
 H S Subbaraya Chetti & Bros., Hassan, Mysore
 H. Surajmal, Manoramaganj, Indore.
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 N. Namar Achary, Trichur, Cochin.
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 R A. Khan & Co, Ghat Darwaza, Jaipur City.
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 Surajmull Nagar Mull, 61, Harrison Road, Calcutta.
 Surana Brothers, 156, Harrison Road, Calcutta.
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 Massey & Co, 15, Clive Row, Calcutta
 Moran & Co, 4, Lyons Range, Calcutta
 Morgan Walker & Co, 2, Clive Ghat St., Calcutta
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 Dhanoraj Badridas, Goalundo, Faridpur.
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 Hridoy Nath Shaha, Bhaushi Bangal, Mymensingh.
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 Kali Prasanna Saha, Bharatkhal, Rangpur.
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- Fort Gloster Jute Mill, Bauria.
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 well Bullen & Co, Ltd., 21,
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- Fort William Jute Mill, Sibpore.
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 beria, Howrah M/A Mafatial
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 E B Ry., Mng, Agents Barry
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- Hastings Mill, Ltd, Rishra, E I
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 & Co, Ltd, 8, Clive Row, Cal.
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 ders Arbuthnot & Co. 8, Clive
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- India Jute Mill, Serampore, E I.
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- Lothian Jute Mill, Budge Budge,
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 Ram Dutt Ram Kissen Das, 145, Mukhtaram Babu Str., Calcutta
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 Angus Jute Mill, Bhadreswar, E I Ry., Mng Agents Angus & Co., 3, Clive Row, Calcutta
 Auckland Jute Mill, Jagatdal. E B Ry, Mng. Agents Bnd & Co., Chartered Bank Bldg., Clive St., Calcutta.
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 Banabaria Jute Mill, Banshati. E. I Ry., Mng Agents Mac

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 Barnagore Jute Mill, Barnagore, 24-Perge, Agents Geo Henderson & Co. Ltd., 101-1, Clive St. Calcutta.
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 Belvedere Jute Mill, Sankrail, E I Ry, Mng Agents, Andrew Yule & Co. Ltd., 8, Clive Row, Calcutta.
 Bharat Jute Mills Ltd., Makardah Rd., Kadamtola, Howrah.
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- Birkmyre Bros.' Jute Press, Kisesanganj, Purnea.
- Calcutta Hydraulic Jute Press, 15, Kali Prosanna Singhee Lane, Cossipore, Calcutta.
- Campeidown Jute Press, 5, Rustomjee Parsee Road, Cossipur, Calcutta.
- Central Hydraulic Jute Press, 243, Upper Chitpore Road, Bagh Bazar, Calcutta.
- Chittagong Co's Jute Press, Chaumuhami, Noakhali. A. B. Ry.
- Cocanada Jute Press, Ltd., Cocanada.
- Empress of India Jute Press, 54, Ghosery Road, Howrah.
- Ganges Jute Press, 1, Nawabpatty Road, Calcutta.
- Ghosery Jute Press, 6, Joyabati Lane, Ghosery, Howrah.
- Golabari Jute Press, 244, Upper Chitpur Road, Calcutta.
- Gouti Jute Press, 5 & 5/1, Gun Foundry Rd., Cossipur, Calcutta.
- H. K. Bank & Co's Jute Press, Kisesanganj, Purnea.
- Hanuman Jute Press, 38, Ghosery Road, Howrah.
- Homer Jute & Cotton Works, 31, Hara Kumar Tagore St., Calcutta.
- Hooghly Hydraulic Jute Press, 3, Chitpore Ghat Lane, Calcutta.
- Howrah Hydraulic Jute Press, 64, Rosemary Lane, Howrah.
- Jardine Skinner & Co's Jute Press, Chandpur, Tipperah, Ek-rampur, Naraingunj, Dacca.
- Jheel Press, Jheel Road, Cossipur, Calcutta.
- Karnaphuli Jute Mills Press, Damakhali, Moheshkhali, Chittagong.
- Krishna Mills, Shupur, U. P.
- Lakshmi Jute Press, 32, Jheel Rd., Cossipur, Calcutta.
- Landale & Clarke's Jute Press, Chaumuhami, Noakhali, Motihail, Chandpur, Tipperah.
- M. David & Co's Jute Press, Chaumugaria, Faridpur.
- M. Saikies & Sons' Jute Press, Hajiganj, Naraingunj.
- Madanganj Pressing Co., Ltd., Naraingunj, Dacca.
- Nasmyth Jute Press, 124, Old Ghosery Rd., Howrah.
- New India Jute Press, 4, Gun Foundry Rd., Cossipur, Calcutta.
- R. Sim & Co's Jute Press, Chaumugaria, Faridpur.
- Ralli Bros, Jute Press, Chandpur, Tipperah; Sheoraphuli, Hooghly, Tanbazar, Narayanganj, Dacca; 6, Ram Gopal Ghose Rd., Cossipore, Calcutta.
- S. Dass & Bros, 84/A, Clive St., Calcutta.
- Salkea Jute Press, 52, Old Ghosery Rd., Salkea, Howrah.
- Shiva Jute Press, 4-5, Kali Prosanna Singhee Lane, Cossipur, Calcutta.
- Sonakund Bailing Co. Ltd., Naraingunj, Dacca.
- Sun Jute Press, 3, Cossipore Rd., Calcutta.
- Suraj Jute Press, 1, Gun Foundry Road, Cossipore, Calcutta.
- Union Jute Co's Jute Press, Chandpur, Tipperah.
- Union Jute Press, 10, Dilerjung Rd., Chitpore, Calcutta.
- Victoria Hydraulic Press, 11, Cossipur Rd., Calcutta.
- Vishnu Jute Press, Cossipore, Cal.
- Vizianagram Press & Mill Co. Ltd., Vizagapatam.

KEROSENE OIL MERCHANTS.

- Amarshi Vithaldas, Manek Chowk, Porbandar, Kathiawar.
- Burmah Shell Oil Storage & Distributing Co., of India, Ltd., Hongkong House, Dalhousie St., Calcutta. Br.—Bombay, Karachi, Madras & New Delhi.
- Din Dayal Sahik Ram, Azamgarh.
- Dwarkanadas Vanmali, Outside Golvadi Gate, Viramgam, Ahmedabad.
- Gokulchand Babulal, Gokul Bldg., Khatauli, Muzaffarnagar.

Wanted Agents in India or Abroad to push the sales of Paris Gold.
Apply Sharp to:—HOUSE OF COMMERCE, Paltan Bazar, Gauhati.

National Jute Mill, Sankrail,
Howrah, E. I. Ry. Mng Agents
Andrew Yule & Co, Ltd, 8,
Clive Row, Calcutta
New Central Jute Mill, Ghuseery,
Howrah, E. I. Ry. Mng Agents
Andrew Yule & Co, Ltd, 8,
Clive Row, Calcutta
Northbrook Jute Mill, Baidyabati,
E. I. Ry. Mng Agents Bird
& Co., Chartered Bank Bld.,
Clive St, Calcutta
Nuddea Jute Mill, Naihati, E B
Ry, Mng Agents Baily &
Co, 2, Fabelle Place, Calcutta.
Orient Jute Mill, Budge Budge,
E B Ry, Mng Agents An-
drew Yule & Co., Ltd, 8, Clive
Row, Calcutta.
Prabhat Jute Mills Ltd, 61,
Bowbazar St., Calcutta.
Priemchand Jute Mills, Ltd, Chen-
gall, B N Ry, Mng. Agents.
Raja Janakinath Roy & Bros.
Sovabazar St., Calcutta.
Presidency Jute Mill, Rishra
E. I Ry, Mng. Agents, McLeod
& Co, 28, Dalhousie Sq., Cal-
cutta
Reliance Jute Mill, Kankinara, h,
E B Ry, Mng Agents.
Jardine Skinner & Co, 4, Clive
Row, Calcutta
Shamnagar Jute Mill, Shamnagar
E B Ry, Mng. Agents Tho-
mas Duff & Co, Ltd, 2 & 3,
Clive Row, Calcutta.
Shree Gouri Shankar Jute Mills-
Ltd., 89, Cross Street, Calcutta.
Mills—Shamnagar, E B Rly
M/A Shree Jhajharia & Co Ltd.
Shree Hanuman Jute Mills, Ghoo-
sery, Howrah Props—Sooraj
mull Nagar Mull, 61, Harrison
Road, Calcutta
Soorah Jute Mill, Narkeldanga,
Calcutta Mng. Agents Mc-
Leod & Co, 28, Dalhousie Sq.,
Calcutta

Standard Jute Mill, Titaghur,
E. B Ry, Mng. Agents Bird
& Co, Chartered Bank Bldg,
Clive St, Calcutta.
Titaghur Jute Mill Titaghur
E B. Ry., Mng Agents Tho-
mas Duff & Co, Ltd, 2 & 3,
Clive Row, Calcutta
Union Jute Mill, Entally & Bar-
tala, Calcutta, Mng Agents.
Bird & Co, Chartered Bank
Bldg, Clive St., Calcutta.
Victoria Jute Mill, Bhadieswar,
E I. Ry, Mng. Agents Thomas
Duff & Co, Ltd, 2 & 3, Clive
Row, Calcutta.
Waverley Jute Mill, Shamnagar.
E. B Rly, Mng Agents Begg
Dunlop & Co Ltd, 1 & 3, Hare
St, Calcutta
Wellington Jute Mill, Rishra, E I.
Ry., Mng Agents James Fin-
lay & Co, Ltd, 1, Clive St.
Calcutta

BIHAR.

Katihar Jute Mills, Dahrha.
Katihar, Purnea
Rameshwar Jute Mill, Samastipur.
Darbhanga

MADRAS PRESIDENCY.

Chittavalsah Jute Mills Co, Ltd,
Chittavalsah, Vizagapatam Dist.
M/A McLeod & Co, Ltd, 28,
Dalhousie Square, Calcutta
Guntur Jute, Cotton and Paper
Mills, Guntur
Krishna Jute & Cotton Mills Co.
Ltd, P O Ellore, Godavary
Nellimarla Jute Mill, Nellimarla.
Vizagapatam

UNITED PROVINCES.

Beharilal Kunjal Jute Mills &
Ginning Factory, Cawnpore
Juggilal Kamlapat Jute Mills, Co.
Ltd, Cawnpore
Maheshwari Devi Jute Mills, Har-
ausganj, Rail Bazar, Cawnpore

JUTE MILL AGENTS.

(See under Jute Mills).

JUTE PRESSES.

Ashcroft Jute Press, 3, Dilar Jung
Road, Chitpur, Calcutta.
Atlas Jute Press, 3, Kali Piosanna
Singhee St., Cossipore, Cal.

Bandaghat Jute Press, 4 to 6, Old
Ghooseery, Salkia Rd., Howrah
Bengal Baling Co's Jute Press,
Sitallakhya, Naraingunj, Dacca

Wanted Agents in India or Abroad to push the sales of Paris Gold.
Apply Sharp to:—HOUSE OF COMMERCE, Paltan Bazar, Gauhati.

KNITTING MACHINE DEALERS.**BOMBAY.**

Asiatic Knitting Commercial Corporation, 307-309, Hornby Rd., Bombay.

Katrak Hosiery Works, 102, Princess Street, Bombay.

Oomarsee Kesowjee & Co., Post Box No. 1, Bombay. Head Office—Cannanore, Br—Calicut, Tellicherry & Mangalore.

CALCUTTA.

Calcutta Commercial Syndicate, 3/1, Mangoe Lane, Calcutta

Don Watson & Co, Ltd, 19, British Indian Street, Calcutta

Embroidery House, 19/1, Cornwallis St., Calcutta (Embroidery Machines).

Indo-Swiss Trading Co., 2, Church Lane, Calcutta.

Marwari Mill Stores Co., 195/1, Harrison Road, Calcutta.

Mitsubishi Shoji Kaisha Ltd., 135, Canning Street, Calcutta

Oriental Machinery Supplying Agency Ltd., 20, Lal Bazar St., Calcutta.

W. Evans & Co., 3, Mangoe Lane, Calcutta.

LAHORE.

Ali Mohamed & Sons, Mochi Gate, Lahore

Easton Knitting Machine Supply Co., Brandrath Rd., Lahore.

National Art Emporium, Lahore.

MADRAS PRESIDENCY.

Oomarsee Kesowjee & Co., Camp Bazar, Cannanore. Import Office.—Post Box No 1, Bom-

bay, Branches—Calicut, Tellicherry & Mangalore.

PUNJAB.

A. N. Sayal & Sons, Hosiery Experts, Ludhiana.

H. G. Misra & Co., Civil Lines, Cawnpore.

Indian Hosiery Machine Makers (Regd.), Hospital Road, Ludhiana. (Punjab).

Kalsi Mechanical Works, Nandpur, Ludhiana.

Mistri Beera, Paper Bazar, Jullundur City.

Mistri Farzand Ali, Lal Bazar, Jullundur City.

Narayan & Co, 129, The Mall, Cawnpore. (Hosiery).

Premier Hosiery Yarn & Machinery Mart, Ludhiana.

LAC MERCHANTS.

Bansidhar Dutt, 126, Khengia-putty Street, Calcutta.

Bhagat Ram & Sons, Pahari Gate, Hoshiarpur.

Bobinda Ram Ram Lal, Rangiya, Kamrup

Golden Industry, 933, Sowrashtia Bag Street, Kumbakonam, S I.

Harrison Ramkisan, Katni.

Jeoraj Mull Bordia, 2/1, Mission Row, Calcutta.

Kanhayilall Omkar, Bhallam Mohalla, Katni.

Khuda Bux Khan, near Post Office, Bharatpur. (Lac Banglas).

Mahesh Bhagat, Biratnagar, Jogbani, Purnea

Mannalall Balabdas, Raghunathganj, Katni

Ram Chandra Dungarmall, Rangiya, Kamrup

LACE & EMBROIDERY DEALERS.**AJMER-MERWARA.**

Hajarmal Jodhras, Inside Madar Gate, Ajmer

BENGAL.

Dacca Lace Manufacturing Co., 208, Nawabpur Road, Dacca

Office—38, Mahajanpur, Dacca.

Farashganj Braid Factory, 43, Malakartola, Dacca.

Paul Bros, Barabazar, Chander-nagore

BOMBAY.

Chimanlal & Co., Edross Building, New Charni Road, Bombay.

R K Moti Shaw & Co., Humnum St., Bombay.

BOMBAY PRESIDENCY.

Antarkar & Sons, Poona

Balaram Parbhudas, Gopipura, Pancholivad, Surat.

Biralal Balabhai, Limboosery, Surat.

All kinds of JAPANESE HOSIERY NEEDLES are Stocked by
HARI HOSIERY FACTORY, Howrah.

Haribux Gopiram, 26, Burtalla Street, Calcutta.

Inam Illahi Lahori Uddin, Sarai Sheikh, Etawah
Indo-Burma Petroleum Co., Ltd.,
Rangoon Br.—8, Clive St., Cal
Kasamali Nanji, Porbandur.

Manji Nathooobhai & Co., Bandar,
Porbandar, Kathiawar.

Munnulal Rameshwai Das, Kanna
uj
National Petroleum Co., Amir-

chand Bldg., Elphinstone Circle,
Fort, Bombay.

P Palanisamy & Sons, Aruppu
koitral, Ramnad

Ram Narain Chela Ram, Sadar
Bazar, Meerut.

Ramchander Balabakhsh, Agents
—Burmah-Shell Oil Storage Co.,
Ltd., Sambhar Lake, Rajputana.
Standard Vacuum Oil Co., 6,
Church Lane, Calcutta

Victor Oil Co., Ltd., 11, Clive Str.,
Calcutta

KHADDAR MANUFACTURERS & DEALERS.

ASSAM.

Dewan & Co., Fanshi Bazar,
Gauhati.

Vidyashram, Silchar, Assam.

BENGAL.

Bankura Khadi Sangha, Bankura
BIHAR.

Charkha Sangha, Bihai Bianch,
Madhubani, Dai bhanga

Khaddar Bhandari, Beeigunj,
Raxaul P O, Champaran

Khaddar Bhandari, Ruseiaghat,
Darbhanga

BOMBAY CITY.

Khadi Bhandar, Handspun Khadi,
396, Kalbadevi Rd, Bombay 2.
Ratilal Bhikhabhai & Co., Gir-
gaon, Bombay 4

BOMBAY PRESIDENCY.

All-India Spinners Association,
Mirzapur, Ahmedabad.

Institute of Textile Technology,
Sadashiv Peth, Poona 2

Khadi Bhandari, Agia Rd, Dhu
lia, W Khandesh

Sudarshana Charkhalaya, Bel-
gaon

Vishoodh Khadi Bhandar, Kan-
pith, Surat

CALCUTTA.

Khadi Pratisthan, 15, College Sq.,
Calcutta.

Silapasram, B71, College St. Mar-
ket, Calcutta.

Suddha Khadi Bhandari, 132/1,
Harrison Road, Calcutta.

Vidyashram, B 76, College St. Mar-
ket, Calcutta.

DELHI.

Hindustan House Ltd., Chandni
Chowk, Delhi

Sudh Khadi Bandhar, Chandni
Chowk, Delhi.

INDIAN STATES.

Genuine Khaddar Stores, Sayyaji
Rd., Lansdowne Bldg., Mysore
Gopal Krishna Khadi Bhandari,
Indore

Gwalior Raj Khadi Sangha of
Ujjain, Ujjain.

Sudha Khadi Bhandar, Morasah
ki Koli, Indore

MADRAS CITY.

Khadi Vastralaya, Esplanade
Madras

MADRAS PRESIDENCY.

Andhra Deshi Bastranilayam,
Pithapuram, Godavary

Bharat Vastra Bhandar, Guntur.
C V Jayagopala Chetty & C E.

Balamagamiah Chetty, Salem
Khadi Ashram, Bontalakovure

P O. Ponnada, Vizagapatam.
M V Karuppana Chettiar, Tiru-
pur, Coimbatore

S K. A R Kuppasamy Mudaly,
Bazar St, Erode

PUNJAB.

Thakai Das Asanand, Lefah, Fun-
jab (Also Khes)

UNITED PROVINCES.

Bharat Khadi Karyalaya, Farid-
nagar, Meerut.

Dankaur Weaving Works, Dan-
kaur, Bulandshahr.

Govil's Spg & Wvg Co., Pilkhu
wa, Dist Meerut

Sree Gandhi Asram, Meerut.
Swadeshi Khaddar Pracharak

Co., Ludhiana
Swaijaya Ashram, Ajitganj,
Cawnpore.

Virjee Khadi Karyalaya, Achme-
ra, Agra

INSURE WITH SHREE LIFE ASSURANCE COMPANY, LIMITED,
6-10, DEAN LANE, BOMBAY, 1.

Lal Behari Tandon, Chowk, Lucknow.
 Lucknow Fine Arts, Chowk, Lucknow.
 Mohan Lal, Gotewale, Johri Bazar, Agra
 Pannalal Ramlal, Kinari Bazar, Agra (Gold Lace).

Pannaial Shayamial Gotawala, Johri Bazar, Agra.
 S. Amir & Co., Zaw Buildinga, Rakabgunj, Lucknow.
 Swadeshi Lace Factory, 89, Model House, Lucknow.
 Swadeshi Silk & Ribbon Mills, Ltd, Malidua, Benares Cantt.

LAMPWARE & ACCESSORIES DEALERS.

Abhoy Charan Kundu, 14/2/1 & 206, Chinabazar St., Calcutta.
 Ali Mohamed & Co., 27, Old China Bazar Street, Calcutta.
 Bepin Behary Paul, 9, Old China Bazar Str, Calcutta
 Blackwood Bryson & Co., 2, Mangoe Lane, Calcutta
 Bombay Incandescent Light Co., Pydhonie Tiam Jn, Bombay 3.
 C S Pochee & Son, 586, China Bazar, Gurgaum Rd, Bombay 2
 Chandra Nath Biswanath, 72 & 73, Old China Bazar St, Cal China House, Dabhi Bazar, Ldhore. (Also crockery)
 Dewan Chand & Son, 218, Harrison Road, Calcutta
 Dinshaw Master & Co, Ltd, 247, Nagdevi Street, Bombay 3
 F. Racek & Co, 57 & 58, Radha Bazar St, Calcutta (Also Bombay, Madras, Colombo).
 Farashgunj Braid Factory, 43, Malakariola, Dacca (Wicks).
 Fircidaire & Delco Light Products, 62, Hazra Road, Calcutta
 General Incandescent Light Co., 14/4, Old China Bazar Street, Calcutta
 H Malik & Sons, Lahore
 Ismailjee Abhoy & Son, (Ferozeporwala), New Market Road, Karachi
 K C Dey & Sons, 96, Lower Chitpur Rd, Calcutta.
 K. S. Shivji & Co., 178/79, Broadway, Madras. Br —Bombay, Calcutta & Colombo.
 Kamalprasad Goenka, 28, Old China Bazar Str, Calcutta.
 Kathawar Industries, Wadhawan City, Kathiawar. (Hurricane).

Kesoram Cotton Mills, Ltd, 8, Royal Exchange Place, Calcutta. (Lampwicks)
 Madan Mohan Dhur, 48-50, Old China Bazar Street, Calcutta.
 Mahomed Ebrahim & Co., 186, Chakla Street, Bombay.
 National Mantle Mfg. Co., 386, Gurgaon Back Road, Bombay 4. (Gas mantles)
 R. D Dutt & Bros, 79-2, Harrison Road, Calcutta
 Radhakanto Dass & Sons Ltd., 211, Old China Bazar Str, Cal
 Rajabally Lookmanjee & Co, 212, Old China Bazar St, Calcutta.
 Roy Bros, 12, Jambulvadi, Off Kalbadevi, Bombay.
 S. N Gandhi, Dharangadhrawala, Pydhoni, Bombay 3 (Incandescent lamp)
 Sarat Ch Dass & Sons, 198, Old China Bazar St, Calcutta.
 Satcowrie Das & Co, 196, Old China Bazar St, Calcutta.
 Satya Charan Paul, 194, Old China Bazar St, Calcutta.
 Sun Co, Tanjore
 T. G Shah, Bunder Rd, Karachi.
 T V Ramanappa Setty, Munro St, Anantapur
 Thakurda & Sons, Hyderabad, Sind (Hurricane Lantern).
 The Novelties, Hughes Road, Bombay.
 United Provinces Glass Works Ltd, Bahjoi, Moradabad Dt
 Upper India Manufacturing Co., 15-30-36, Civil Lines, Cawnpore
 Wooma Churn Dey, 180 & 181, Old China Bazar St, Calcutta

LARD & TALLOW MERCHANTS.

Calcutta Tallow Supplying Co., 19, Tiretta Bazar St, Calcutta.

F. P. Oliver & Co, P. O. Box No 50, G P O, Bombay.

**WESTERN INDIA LIFE INSURANCE CO., LTD., SATARA.
 A PURELY SWADESHI & MOST EFFICIENT LIFE OFFICE.**

Keshav Lal Chhaganlal, Off Bhavnagare, Limbu Sheri, Surat.
 Nalotamdas Durlabhdas, Chhaparia Seri, Surat.
 Thakordas Shrilal, Near Police House, Galemandhi, Surat

CALCUTTA.

Brahma Embroidery House, 12, Bahi Mirzapore Rd, Calcutta
 E B Bros, 41-42, Canning St, Calcutta
 G Mostafa, D 8, 9, 10 and 12, Municipal Market, Calcutta
 Ghosh & Son, 62/7, Mirzapur St, Calcutta.
 H Ahmad Hasan Allawala, 53/54, Khengrapatty, Calcutta
 Indian Pioneers' Co Ltd, 79/2, Harrison Rd, Calcutta
 L Mullick, 183, Dharamtola St., Calcutta.
 Mani & Co, C22, Hogg's Municipal Market, Calcutta.
 Rezwan Ali Mullick, D-6, & 7, Municipal Market, Calcutta
 S Noor Elahi & Co, 50, Khengrapatty St, Calcutta

DELHI.

Babumal Hem Chander, Kinari Bazar, Delhi.
 Bachchu Babu & Co, Near Fort, Delhi
 Ballo Mal Hem Chand, Kinari Bazar, Delhi
 Behary Lal Peary Lal, Fatehpuri St., Delhi
 Bishambar Nath Hari Chand, Kinari Bazar, Delhi
 Indian Lace & Embroidery Works, Kucha Seth, Dariba Kalan, Delhi
 Kamelina Lace Mills Ltd, Subzi-mandi, Roshanara Road, Delhi
 Kishen Chand & Sons, Chandni Chowk, Delhi
 Lala Kidar Nath Gupta, Kinari Bazar, Delhi
 Mithan Lal Om Prakash, Matia Mahal, Delhi.
 Moti Lal Sibban Lal, Dariba Kalan, Delhi
 Peary Lal Moti Lal Jain, Fatehpuri Bazar, Delhi.

INDIAN STATES.

Bhagwandas Gobindram, 1st Bridge, Srinagar, Kashmir.
 C K Huchappa & Bros, Bangalore

Chainsukh Gulabchand, Purohiti Ka Khada, Jaipur City.
 D P. Krishnasa & Son, Sultanpet, Bangalore City
 Kashmir Governments Arts & Crafts, Kashmir.
 Singh Singh & Co, Srinagar, Kashmir.
 T. K Peter & Co, Muvattupuzha, Travancore

LAHORE.

General Agency Office, Sultanpura, Lahore.

MADRAS CITY.

A C Angamuthee Naicker & Co, 60, Swamy Naicken St, Madras.
 Jhamatmal Naroomal & Co, 12, High Rd, Triplicane, Madras
 V. Subbaraya Chetty & Sons, Devaraja Mudali St, Madras
 Varadashah Lace Factory, Triplicane, Madras.

MADRAS PRESIDENCY.

Laxmi Vilas Trading Co, Tinnevely.
 Nagaikar & Sons, Upper Bazaar, Mangalore, S Kanara
 V. P. Harry & Company, Narsapur, West Godavari Dt.
 Y. S. David & Co., 1/56, Church Road, Palakol, W. Godavary.

PUNJAB.

A. M Homes, Murree.
 Khwaja's Indian Industrial Works, Chaman St. Ludhiana.
 Modern Embroidery Works, Trunk Bazar, Sialkot City
 Weaving Company, Palanpur. N. Gujrat.

UNITED PROVINCES.

Bhagwan Das Babu Lal, Johri Bazar, Daulat Cloth Market. Agra
 Dharin Chand Jamboo Pershad Jain, 10, Aminabad Park. Lucknow.
 Empire Trading Co, Ramghat. Benares
 Girdhardas, Jagmohandas, 1/21 Gyanbapi, Benares City.
 Gopal Das Damodar Das & Sons, 33, Govindji Naick, Benares.
 Indian Stores, Chowk, Benares.
 Kanhiya Lal Rameshwar Prasad. Chowk, Cawnpore
 Khan Bros, Sanitary Rd, Lucknow.

Wanted Agents in India or Abroad to push the sales of Paris Gold.
 Apply Sharp to:—HOUSE OF COMMERCE, Paitan Bazar, Gauhati.

S. H. Mohd Osman Abdul Rashid,
Adalat Pura, Moradabad.
S. Nazai Mohammad & Son, Opp.
Shoe Market, Agra

Upper Indian Commercial Lea-
ther Co., Mishri Bazar, Cawn-
pore.

LEATHER GOODS MANUFACTURERS.

BIHAR.

Jaiswal Brothers, Sujagunj Bazar,
Bhagalpore City.

BOMBAY CITY.

Bhaktirai Bios, 7, Vithaldas Rd.,
Bombay 2.

E. Kikabhoy & Co., Vithaldas
Road, Bombay 2.

Eastern Leather Works, Bhatia
Griha, Parthana Samaj, Bom-
bay 4.

Elgin Leather Works, Vithaldas
Road, Bombay 2

Gold Filled Leather Works,
Bhangwadi, Kalbadevi Road,
Bombay.

Indian Pickers Mfg. Co., 168,
Samuel Street, Bombay No. 3.

Kamruddin Adamji & Co., 449,
Bhendi Bazar, Bombay.

Leather Kit Mfg Co., 350, Abdul
Rehman Street, Bombay

Lucky Brothers, 1, Sayanar Bldg.,
Lohar Chawl, Bombay 2.

S. M. Menty & Co, 11/13, Elphin-
stone Circle, Fort, Bombay.

BOMBAY PRESIDENCY.

Abdullahbhai & Co, Budhwar
Peth, Poona 2. (Suit Cases).

Apari S Desai & Co., Desaiwaga,
Nadiad, Gujrat

Basaveshvar Leather Goods,
Shahapur, Belgaum.

Indian Leather Goods Manufac-
turing Co, Shahapur, Belgaum.

Western Indian Tannery Ltd.,
Dharawi, Bombay.

CALCUTTA.

Ahs Leather Co, 40, Chattawalla
Lane, Bowbazar P.O., Calcutta.

Arya Bhandar, 90/2A, Harrison
Road, Y.M.C.A. Buildings, Cal-
cutta. Factory—The Arya Fac-
tory Ltd, 99-C, Garpar Road,
Calcutta

Arya Factory Ltd, 99/G, Garpar
Road, Calcutta. Show Room—
Arya Bhandar, 90/2A, Harrison
Rd, Y.M.C.A Bldgs, Calcutta

Bengal Mart, 90/9A, Harrison Rd.,
Y. M. C. A. Bldgs, Calcutta

Benode Behary Basack & Co, 7 &
11, Old China Bazar St, Calcutta.

Bhalla Shoe Company, 21, Ben-
tineck St., Calcutta.

Calcutta Velvet & Leather Works,
72, Harrison Road, Calcutta.

Chowdhury Bros. & Co., 99/4A,
Harrison Road, Y. M. C. A.
Bldgs., Calcutta.

Deva Agency, A39, 40 & 41, S.
S. Hogg Market, Calcutta.

Dewan Chand & Sons, 218, Har-
rison Rd, Calcutta.

E. Saty Bros, 57, Diamond Har-
bour Road, Calcutta.

Hindusthan Leather Shoe Indus-
tries, 57, Diamond Harbour Rd.,
Kidderpore, Calcutta.

J. Choudhury & Co, 14, Old China
Bazar St, Calcutta.

Jewel & Co., 18, Canning St, Cal.
Leather House, B85, College St
Market, Calcutta Factory:—23,
Khairu Lane, Calcutta

PHONE B B 442

ARYA FACTORY LTD

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28, Canal South Rd., Calcutta.
Mohd. Kaim Mugal & Sons,
Rawalpindi

S. C. Sons, Ltd., 14, Clive Str.,
Calcutta (Tallow).
Varadasheh Lard Factory, Trip-
licane, Madras
Young & Co., P3, Chittaranjan
Avenue, Calcutta

LEATHER DEALERS.

(Also see under Tanneries).

BIHAR.

Haioon & Co., Mirmandi. Arrah
BOMBAY.

Minoo Mill Supply Co., 8, Hamam
Street, Fort, Bombay.

BOMBAY PRESIDENCY.

B A Randenia & Co., Asapuri,
Navsari, Surat
Dayabhai Velji Leather Factory,
Ahmednagar
Nagindas Motilal, Mochivad,
Kana

CALCUTTA.

Abdul Aziz Khan Bros., 49B,
Baitakhana Road, Calcutta
(Book Binding Leather)
Bengal Tannery Co., 31/14, Lower
Circular Road, Entally, Calcutta
Calcutta Stationery Supply Co.
47, Baitakhana Road, Calcutta
(Book Binding Leather).
Fayazuddin & Co., 61, Bentinck
Street, Calcutta.

India Leather Mnfg Co. Hide
Rd., Calcutta

Indian Leather Factory & Co.,
16/1C, Upper Chitpui Road,
Calcutta (Book Binding).

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Lane, Calcutta (Book Bind-
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Bazar, Jaipur City.

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Phone No. 2662 B.B.

Bells Asbestos & Engineering (India) Ltd., 10, Clive St, Cal. (Also Ballard Estate, Bombay).
 Bery Bros, 15, Clive St, Calcutta.
 Bird & Co, Chartered Bank Bldgs, Calcutta (Also Bombay).
 Blackwood, Bryson & Co Ltd, 2, Mangoe Lane, Calcutta.
 Bombay Co., Ltd, 19, British Indian St, Calcutta.
 Britannia Eng Co. Ltd, 28, Dalhousie Square, Calcutta.
 British Tabulating Machine Co. Ltd, 19, British Indian Street, Calcutta.
 Burn & Co, 12, Mission Row, Calcutta (Also Mazagaon Rd, Bombay).
 Burrough's Adding Machines Co, 5, Fairlie Place, Calcutta.
 Calcutta Commercial Syndicate, 3/1, Mangoe Lane, Calcutta.
 Calcutta Engineering Stores Co, 9, Clive Row, Calcutta.
 Calcutta Iron & Steel Co, 86/A, Clive Street, Calcutta.
 Callenders Cable & Construction Co, Ltd, 7, Pollock St, Cal (Also Home St, Bombay).
 Crompton Parkinson Ltd, 60, Dharamtolla St, Calcutta.
 Crossley Bros, Ltd, 4, Fairlie Place, Calcutta.
 D Gestetner (India) Ltd, Grosvenor House, 21, Old Court House Street, Calcutta.
 Daniel Adamson & Co, Ltd, Clive Bldgs, 8, Clive St, Calcutta.
 Denis Malcolm & Co, Ltd, Clive Buildings, Calcutta (Tools).
 Devadutt Saraoji & Son, 1/1, Pollock Street, Calcutta.
 Don Watson & Co, Ltd, 19, British Indian Street, Calcutta.
 Douglas Fraser & Sons Ltd, 9, Clive St, Cal (Jute Textile).
 Dr. Rose's Laboratory, 45, Amherst St, Calcutta (Industrial).
 English Electric Co. Ltd, E-5, Clive Bldg, 8, Clive St, Cal.
 Ericsson Telephone Ltd, Grosvenor House, 21, Old Court House Street, Calcutta.
 F. & C. Osler Ltd, 12, Old Court House St, Calcutta (Also Hornby Rd, Bombay).

F H Schule (India) Ltd, 12, Clive Street, Calcutta.
 Fairbairn Lawson Combe Barbour Ltd, C6, Clive Bldg, 8, Clive St, Calcutta.
 Felt & Tarrant (India) Co, 4, Lyons Range, Calcutta (Calculating Machines).
 Francis Klein & Co, 1, Royal Exchange Place, Calcutta.
 Fraser & Chalmers Engineering Works, Magnet House, Central Avenue, Calcutta.
 G. S. R Syndicate, 19, Dum Dum Road, Calcutta.
 Gannon Dunkerley & Co, Ltd, 3, Waterloo Street, Calcutta (Also Bombay).
 General Electric Co (India), Ltd, Magnet House, Central Avenue, Cal, Ballard Estate, Bombay.
 General Export Co, 55/58, Ezra Street, Calcutta.
 General Stores Supplying Co, 137, Canning St, Calcutta.
 Geo Miller & Co, Ltd., 7, Hastings Street, Calcutta.
 Gillanders, Arbuthnot & Co, Clive Bldg, 8, Clive St, Calcutta.
 Glenfield & Kennedy Ltd, 4, Fairlie Place, Calcutta (Also Ballard Estate, Bombay).
 Gopal Chunder Dass & Co, Ltd, 24, Raja Woodmunt Street, Cal.
 Greaves Cotton & Co, Ltd, 60, Dharamtolla St, Calcutta (Also 1, Forbes St, Bombay).
 Guest Keen Williams Ltd., 7, Council House Str, Calcutta.
 Heatly & Gresham Ltd, 6, Waterloo St, Calcutta (Also 9, Forbes Street, Bombay).
 Hoare Miller & Co. Ltd, 5, Fairlie Place, Calcutta.
 Hooghly Docking & Engineering Co, Ltd, 12, Mission Row, Cal.
 Indo-Swiss Trading Co, Ltd, 2, Church Lane, Calcutta.
 Industrial Steel Works, 29, Strand Road, Calcutta (Springs & Machines Parts).
 Ingersoll-Rand (India), Ltd, 16, Clive Street, Calcutta (Also Ballard Estate, Bombay).
 International Combustion Ltd, 7, Church Lane, Calcutta.
 International Engineering Co, 7/1/C, Lindsay Street, Calcutta.

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Aggarwal Brothers Ltd., P.O. Birla Lines, Subzimandi, Delhi.

Bali & Co., 168, Chandni Chowk, Delhi.

Harish Brothers, (Regd.), Burn Bastion Road, Delhi.

National Machinery Corporation, Delhi & Pampat.

V. D. Bakshi & Co., Chandni Chowk, Delhi.

INDIAN STATES.

A. J. & Sons, Chaktam Madam, Cochin (Coffee Crushers).

A. Seth & Co., Mehta Pole, Baroda.

G. B. Kale, Kinai, Aundh State, (Sifting Machine).

Indian Universal Commercial Co., Maharani Road, Siyaganj, Indore City.

M. Ramiah, Avenue Road, Bangalore City.

Modern Machinery Co., 22, Seshadripuram, Bangalore.

Modern Mill Stores, Saundels St., Secunderabad, Hyderabad. (Rice, Oil & Sugar Mills).

Industrial Machinery & Agriculture Products, 127, Gazipara, Gulbarga, Deccan.

Ramchander Balabakhsh, Sambhar Lake, Rajputana.

T. W. Dear, 154, Sri Narasimaraja Road, Bangalore City.

KARACHI.

Globe Engineering Works, New Forbes Building, Dunally Rd., Karachi.

Ipeco Association of Germany, Karachi.

L. T. Pinto & Sons, McLeod Rd., Karachi.

LAHORE.

G. D. Seigell & Coy., The Mall, Lahore (Industrial and Agricultural).

Machinery & Belting Co. (Pb), Charing Cross, P. O. Box 185, Lahore.

MADRAS CITY.

Batliboi & Co., 4-153, Broadway, Madras.

John Dickinson & Co., 9, Maclean St., Madras.

London Trading Co., 40, Errabalu Chetty St., Madras.

Masseys (1930), Ltd., Royapuram, Madras.

Richardson & Cuddas, 1st Line Beach, Madras.

Samuel & Co., San Thome, Madras.

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Cential Canning Co., Karwar, Kanara.

K. N. Krishna Moorthy Iyer & Co., Town High School Road, Kumbakonam, S I.

London Trading Co., Bezwada, Kistna.

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Office—Calicut, Tellicherry & Mangalore.

ORISSA.

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PUNJAB.

Baldev Singh & Co., Sialkot City, (Vermicelli Machine).

Empire Machinery Works, Katra Jaisal Singh, Amritsar.

Imperial Machinery & Radio Supply Co., Ludhiana.

S. S. Mela Singh & Son, Chowk Baba Atal, Amritsar.

Victor Crane & Co., Sialkot City.

Watkins Mayor & Co., Empress Garden Road, Jullunder City.

SIND.

B. P. Chandnani, Sehwan, Sind.

Seth Deepchand & Sons, Deepchand Bldgs., Old Sukkur, Sind.

UNITED PROVINCES.

A. Hickey & Sons, Post Box 60, Cawnpore (Industrial Machine).

Bose Brothers, Benares (Weighing, sugar, cotton, machineries).

Industrial & Commercial Service, 44, Johnstone Ganj, Allahabad.

Kodesia Engineering Co., Nainital Road, Bareilly, U. P.

National Machinery Co., Hardoi Pioneer Engineering Co., Ltd., Ferozepore Cantt.

Shambhunath & Sons, Muzaffarnagar, U. P.

Vermans & Sons, Shah Pir Gate, Meerut City.

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 Muller & Phipps (India), Ltd., Avenue House, Chowringhee Sqr, Calcutta (Also Bombay).
 Oriental Machinery Supplying Agency Ltd., 20, Lalbazar St., Calcutta.
 P. B. Shah & Co, 26, Clive Str., Calcutta Br —113, Manohaidas Chuck & 11/A, Radha Bazar Lane, Calcutta.
 P. N. Dutt, 3A, Raja Kali Kissen Lane, Calcutta.
 Parry's Engineering Ltd., 19, British Indian St., Calcutta.
 Paterson Engineering Co (India), Ltd., 10, Clive Street, Calcutta. (Also Ballard Estate, Bombay)
 Philips Electrical Co (India), Ltd., 2, Heysham Rd., Calcutta.
 Planters Stores & Agency Co. Ltd., 11, Clive St., Calcutta.
 Plummer Bros., & Co., 5 & 6, Fancy Lane, Calcutta.
 Power Tools & Appliances Co., 9A, Dalhousie Sqr., East, Calcutta. Br —Madras, Bombay. Lahore, Delhi, Colombo.
 Prabartak Machinery Trading Co., 61, Bowbazar Street, Calcutta.
 Reliable Engineering Co., 97/7, Clive St., Calcutta.
 R. J. Bawa, 1, Mandir Street, Calcutta.
 Roberts McLean & Co, Ltd., 101, Clive St., Calcutta (Also Elphinstone Circle, Bombay).
 S. C. Dass & Co., H. O. 178, Bell-Ros Road, Howrah. Eng Works & Iron Foundry —Old Benares Road, Howrah.
 S. N. Chatterjee & Bros., 10, Cannning Street, Calcutta.
 Samuel Osborn (India), Ltd., 10, Clive St., Calcutta.
 Saxby & Farmer (India), Ltd., 17, Convent Rd., Calcutta.
 Shankarlal Bussesswallal, 30, Clive St., Calcutta.
 Siemens Bros., & Co., Ltd., E5, Clive Bldg, 8, Clive Str., Cal. (Also Ballard Estate, Bombay).
 Siemens (India) Ltd., United India Insurance Bldgs., Chittaranjan Avenue, Calcutta.
 Sketko Ball Bearing Co., Ltd., 11, Clive St., Cal., Bank St., Bombay.
 Skoda (India), Ltd., 8, Royal Exchange Place, Calcutta.
 Small Machineries Mngg. Co., 22, R. G. Kar Road, Calcutta. (Printers' Requisites and Industrial Machineries).
 Standard Engineering Co., Ltd., 103, Bow Bazar St., Calcutta.
 Steam & Mining Equipment (India) Ltd., 7, Church Lane, Calcutta.
 Subol Dutt & Sons, Ltd., 39, Clive St., Calcutta.
 Sulzer Bros Ltd., 8, Clive St., Cal.
 T. E. Thomson & Co., Ltd., 9, Esplanade, East, Calcutta.
 Turner Morrison & Co., Ltd., 6, Lyons Range, Calcutta (Also Bank St., Bombay).
 United Electric & Engineering Co., Ezra Mansions, Calcutta.
 United Stores, 84/A, Clive St., Cal.
 Universal Trading Union, 9, Dalhousie Square East, Calcutta.
 Urquhart Lindsay & Robertson Orchar, Ltd., C-6, Clive Bldg, 8, Clive St., Calcutta.
 Vickers (India), Ltd., 13/8, Strand Road, Calcutta.
 Volkart Bros., 11, Clive St., Cal. (Also Ballard Estate, Bombay).
 Vulcan Trading Co Ltd., 19, British Indian St., Calcutta.
 W. Billinton & Co., Ltd., Stephen House, Dalhousie Sqr, Calcutta (Ballard Estate, Bombay).
 W. Evans & Co., 3, Mangoe Lane, Calcutta (Tools).
 W. H. Brady & Co., Ltd., Mercantile Bldg, Lal Bazar, Calcutta. (Also Churchgate St., Bombay. Broadway, Madras).
 W. J. Alcock & Co., 7, Hastings St., Calcutta.
 W. & T. Avery, Ltd., Waterloo Street, Calcutta (Also Ballard Estate, Bombay).
 W. T. Henley's Telegraph Works Co., Ltd., Henley House, Old Court House Corner, Calcutta. (Also Henley House, Bombay).
 Walworth International Co., 14-2, Clive Row, Calcutta.
 William Jacks & Co., 10, Clive St., Cal (Also Gpa St., Bombay).
 Worthington Simpson Ltd., 10, Clive St., Calcutta (Also Ballard Estate, Bombay).

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 Star Trading Co., Tripolia Bazar,
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United Marble House, 5, Sindhi
 Lane, Bombay 4.

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ASSAM.

Assam Match Co Ltd., Dhubi.
 Manipur Match Factory, Kokul-
 mukh

BENGAL.

Chaital Match Works, Chittu-
 gong.
 Dipali Fire Works, Konnagar,
 Hooghly, (Coloured matches).
 Jagannath Match Factory, Faida-
 bad, Dacca.
 Jalpaiguri Match Industries Ltd.,
 Jalpaiguri.
 Pioneer Match Factory, Comilla.
 Prasanna Match Factory, 30, Be-
 charam Dewy, Dacca.
 Sundarban Match Factory, Khul-
 na.

BOMBAY CITY.

Abdoodally Ebrahim, 121, Nag-
 devi St, Bombay.
 Andheri Match Factory, Andheri,
 Bombay.
 Bombay Match Works, Kuria,
 Bombay.
 National Match Works, Agra Rd.,
 Ghatkopar, Bombay.
 Santa Cruz Match Works, Santa
 Cruz Office, 19, Bank Str.,
 Fort, Bombay.
 Swadeshi Match Mfg Co., 50,
 Bhajpala Lane, Nagdevi St,
 Bombay. Factory—Ghatkopar,
 Bombay.

Western India Match Co, Ltd,
 Ambarnath, near Bombay

BOMBAY PRESIDENCY.

Ahmedabad Sultan Match Fac-
 tory, Gumtipur, Ahmedabad.
 Ambarnath Match Factory, Am-
 barnath, Thana.
 Anant Match Factory, Goharbas,
 Bilimora, Surat.
 Billimoria Match Factory, Billi-
 moria.
 Cambay Match Works, Cambay,
 Kaira.
 Gujrat Islam Match Mfg. Co.,
 Ltd., Kankaria Road, Ahmeda-
 bad.
 Huseni Match Factory, Begam-
 pura, Surat.
 Islam Match Factory, Ahmedabad

Kaka Match Works, Anand, Guz-
 rat.

Kankaria Match Factory, New
 Kankaria Tank, Ahmedabad.
 New Cambay Match Factory,
 Cambay, Kaira.
 Thana Match Works, Agra Rd,
 Thana, Bombay.

CALCUTTA.

Bangia Diasalai Karaloy, 76,
 Jessore Road, Calcutta.
 Bengal Match Industries Ltd,
 Hd Office—16, Bonfields Lane,
 Calcutta Factory at Khulna.
 Calcutta Match Works, Dilawar-
 jah Lane, Garden Reach, Cal-
 cutta.
 Dharamsey Match Co., Ltd, 1/1,
 Umakanto Sen Lane, Calcutta.
 Esavi Match Manufacturing Co.,
 46-47-1-1, Munari Pukur Road,
 Manicktala, Calcutta.
 Haydari Match Co, 150A, Bellia-
 ghatta Main Road, Calcutta.
 Karimbhoy Match Factory, 32,
 Canal West Rd., Calcutta.
 Pioneer Match Factory, 16, Dun
 Dum Rd., 74, Cross Street, Cal-
 cutta.
 Western India Match Co., Ltd.,
 P.O Alambazar, Near Calcutta.

CENTRAL PROVINCES.

Lashmi Match Factory, Bilaspur.

DELHI.

Delhi Match Works, 2140, Sukh
 Sadan, Naisarak, Delhi.

CENTRAL PROVINCES.

Amrit Match Factory, Kaigi
 Road, Bilaspur.
 Berar Match Works, Ellichpur,
 Berar.

INDIAN STATES.

Chamundy Match Factory, Banga-
 lore, Mysore.
 Datar Match Factory, Peflad,
 Baroda.
 Hamda Match Works, Ltd., Bho-
 pal.
 Kantilal Nandlal & Bros., Mazan's
 St., Wadhwan, Kathiawar.
 Kashmir Match Factory, Bala-
 mula, Kashmir.

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 Bengal Scientific & Technical Works, P513, Rash Behari Avenue, Calcutta.
 Dipita Baspabarak Numanagar, 7, Joy Mitter St., Calcutta
 Eastern Hosiery Works, Green Villa, Grant Rd, Bombay
 M Hemraj, Chinch Bunder, P O Box 5002, Bombay.
 M. T. Saha & Co, Gupta Man-

sions, 84A, Clive St, Calcutta
 National Mantle Mfg. Co., 386, Girgaon Back Road, Bombay 4. (Gas Mantles)
 S. M Sharif & Co, Meston Road, Cawnpore
 Spence Ltd, 23, Convent Road, Entally, Calcutta
 Sun Company, Tanjore.
 Western India Co, Wakefield House, Ballard Estate, Fort, Bombay

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Calcutta Printing Co, Ltd., 78, Dhurumtola St, Calcutta
 Gund Bios, Ahmednagar (Relief).
 S B Chatterjee, F R C S, 8, Dixon Lane, Calcutta

S K Lahiri & Co, Ltd, 54, College St, Calcutta

Map Sales Office, Survey of India, 13, Wood St., Calcutta.

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C. Arias, 40, Radha Bazar St, Calcutta
 Carrara Marble & Terrazzo Co, 3, Old Court House Corner, Cal
 Chunilal Ramgopal, Mohalla Silawton-ka-Rasta, Jaipur City
 Deviprasad Agniwal, Mine Owner, Nawapara-Rajim, Dist Raipur.
 C P (Marble Tiles & Slates).
 F Bertelli & Co, 7, Old Court House St, Calcutta
 Gwalior Pottery, Gwalior. (Tiles)
 International Marble Co, 2, Mission Row, Calcutta
 Karachi Mosaic Marblite Works, Post Box 210, Near Scandal Point Bridge, Thole Produce Yard, Karachi.

Lakshmi Ratans Ltd, Thambu Chetty St, Madras (Marble).
 Mahabir Pershad & Sons, Chawri Bazar, Delhi
 Mangal Chand & Co, 86, Chittaranjan Avenue, Calcutta
 P N Mehta & Co, 156, Radha Bazar St., Calcutta H. O — Opp Old Custom House, Fort, Bombay.
 Punam Chand Sarangi & Co, 156-1, Radha Bazar St, Calcutta
 Rajputana Marble Co, Makrana P O, Jodhpur State.
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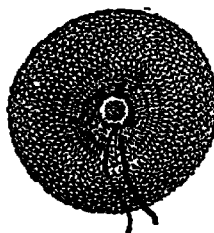
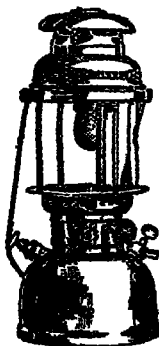
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 H. R. Brothers & Co. 81-A-C, Bechu Chatterjee St., Calcutta.
 Harima Engineering Works, 62/1, Belgachua Road, Calcutta
 Match Mfg. Supply Co. Ltd., 19/C, British Indian St., Calcutta.
 Oriental Machinery Supplying Agency Ltd., 20, Lal Bazar St., Calcutta.
 Standard Machinery Co. 11, Clive

Row, Calcutta.

INDIAN STATES.

Commercial Industrial Agency, Alleppey, Travancore.
 General Supplies Agency, Alleppey, Travancore
 I. I. Iyyappan, Kakkalai, Trichur, Cochin.
 N. A. Mohamed Kunju, Alleppey, Travancore.
 P. Peter & Sons, Alleppey, S. I. St Thomas Rice & Oil Mill & Eng. Works, Kakkalai, Trichur.

MEDICAL STORES DEALERS.

(Also see Chemists & Druggists).

AJMER-MERWARA.

Manoharlal Jain, Bijoynagar, Ajmer.

BENGAL.

Allopathic Medical Stores, P. O. Natibpur, Via Amta, (Hooghly).
 Bengal Drug & Chemical Works, 136, Benares Road, Howrah.
 Chatterjee & Co, Chandpur.
 Jogendra Pharmacy, Meherpur, (Nadia), Bengal.
 L. H. Seller, Samta, Bengal
 P. K. Dutt & Co., Madhabpasa, Barisal.
 P. K. Sen, Sadar Ghat, Chittagong.
 Scientific Pharmacy, Barabazar Midnapore.

BOMBAY CITY.

Anglo Indian Drug & Chemical Co., Post Box 2882, Bombay
 Byram N Khambata, Belvedere Court, Churchgate Reclamation, Fort, Bombay.
 Chinese Medical Store, 28, Apollo St., Fort, Bombay. Br — Delhi, Calcutta
 K. T. Dongre & Co., 384, Lamington Road, Bombay 4.
 Kemp & Co, Ltd, Chaini Road, Queen's Road, Bombay
 Marmite Food Extract Co. Ltd. P. O. Box 256, Bombay.
 Orient Drug Agency, Devkaran Mansions, Princess St., Bombay 2.

Roy & Company, 176, Princess St., Bombay.

BOMBAY PRESIDENCY.

Nasik Medical Stores, Main Road, Nasik City.
 Powal Co, Vathal Peth, Poona, 2.
 R. B. Parnajpe, Sadashiv Peth, Poona (Peppermint)

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 Madras Br — B o m b a y & Rangoon.
 Bagmoder & Co., 4, Singhee Dutt Lane, Calcutta. (Suspensory Bandages).
 Bengal Ch & Phar Works Ltd., 94, Chittaranjan Avenue, Cal
 Bengal Immunity Co., 153, Dhar-
 amtala St., Calcutta
 Bharat Laboratory & Chemical Works, 12, Colocota St., Cal.
 Bose & Bose, 9, Hemendra Sen Street, Calcutta (Suspensory Bandages). Br — Bombay.
 C. C. Biswas & Sons, 105, Upper Circular Road, Calcutta.
 Calcutta Cancer Institute, 172, Bowbazar St., Calcutta.
 Chandi Medical Store, 14/4, Bon-
 fields Lane, Calcutta
 Chaudri & Co., 4, Bankshall St., Cal. (Cinchona Products).
 Dr. Deogo's Chemical Works Ltd., 48-B, Harrison Rd., Calcutta.
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 Co., Ltd., Shimoga, Mysore.
 Mysore Match & Candle Factory,
 Mysore.

National Match Co., Ltd., Ollur
 P. O., Cochin

Narayan Match Works, Manoor-
 bhagom, P. O. Attungal, Tra-
 vancore

Oosmani Match Works, Bakaram,
 Mashirabad Rd., Hyderabad, Dn
 P. Peter & Sons, Alleppey, Tra-
 vancore.

Popular Match Factory, Ollur,
 Cochin.

Rajputana Match Factory, Banni
 Kota, Rajputana

South Indian Match Factory Ltd.,
 Thenmalai, Travancore

Travancore Match Works, Thaz-
 hathangady, Kottayam, Travancore.

Vadia Match Factory, Station Rd.,
 Vadia, (Kathiawar)

Veraval Match Works, Station Rd.,
 Veraval, (Kathiawar).

LAHORE.

Kaulson's Match Factory, Shah-
 dara, Lahore

Mahalaxmi Match Factory, Sha-
 hadara, Lahore

MADRAS CITY.

Baby Match Factory, 35, Kom-
 balamman Koil St., Tondivar-
 pet, Madras

Radha Krishna Match Works,
 Surjanarayana Chetty Street,
 Royapuram, Madras

Western India Match Factory,
 Washermanpet, Madras

MADRAS PRESIDENCY.

Adamjee Trading Co., Fort, Viza-
 gapatam

Brilliant Match Works, Sivakasi,
 Ramnad

Kannan & Co., Papanasam, Tan-
 jore.

Krishnaswamy Naidu's Match
 Factory, Iduggerai, Coimbatore,

Malabar Match Manufacturing
 Co., Cochin.

Malabar Match Works, Palghat.
 National Match Works, Siva-
 kasi, Ramnad. (Coloured)

Oriental Match Works, Virudhu-
 nagar, Ramnad Dt

Ottapalem Match Factory, Otta-
 palem, Malabar

Pushparaj Match Works, Ranji-
 kod, Malabar.

Pyrotechnic Match Factory, Pa-
 vatipur, Vizagapatam Dt.

Royal Match Works, Virudhu-
 nagar, Ramnad.

Shah of Persia Match Factory,
 26, Ali Buran Street, Vellore.

South Indian Lucifer Match
 Works, Sivakasi, Ramnad.

Squirrel Match Factory, Vani-
 yambadi, N. Arcot

Sree Krishna Match Works,
 Chittoor.

Star Match Factory, Arumuga
 Mudaly Street, Vellore.

Swan Match Factory, Desastha-
 nam, Vaniyambadi, N Arcot

Venugopal Match Factory, Olavak-
 kot, S Malabar.

West Coast Match Co., Ottapalem,
 Malabar

West Coast Match Factory, Satur.
 Ramnad.

ORISSA.

Cuttack Match Works, Cuttack
 Jenapur Match Factory, Jenapur,
 Cuttack.

Orissa Match Factory, Cuttack
 Talcher Match Works, Talcher

PUNJAB.

Amrit Match Factory, Ludhiana,
 Punjab

Punjab Match Factory, Gujran-
 wala, Punjab

Star Light Match Factory, Guj-
 ranwala, Punjab

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Western India Match Co Ltd.,
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Cawnpore Match Works, Cawn-
 pore.

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 Reddy & Co, Gopalapuram, Via Kothapet, Godavary East.

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 Cuttack
 Edward Medical Hall, Boxi Bazar, Cuttack
 Imperial Medical Hall, Lions Gate, Puri.
 Sanatan & Sons, Pharmacy, Muradpur, Sambalpur.
 Star Medical Hall, Dalapara, Sambalpur.
 Swami Medical Hall, Chakra Chand Bazar, Chaulaganj, Cuttack.
 Swaraj Medical Hall, Naya Sarak, Chandni Chowk, Cuttack.

PUNJAB.

A. Sher & Co, Jullundur City.
 Alhbay Valljee & Sons, Alvi Works, Multan Cantt.
 Continental Medical Stores, Gujranwala.
 Gour Pharmacy, Ludhiana
 Karkhana Raughan-i-Shabal, Haziz Manzil, Ludhiana.
 National Medical House, Ry. Rd. Hoshiarpur, Punjab (Optical).
 Piyare Lal Bros, Inside Hall Gate, Amritsar.

Rain Basera (Regd.), Ghisambans' St., Bazar Purana, Ludhiana.

Sambhu Nath & Sons, Ltd., Grand Trunk Road, Amritsar.

SIKKIM.

Purna Kumar & Ratna Kumar Pradhans, Rhenock, Sikkim.

SIND.

Punjabi & Co, Khanpur, P.O. Shikarpur, Sind (Scientific).

Sind Pioneer Tablet Co, near Municipal Office, Hyderabad.
 Suderstan Chemical Works, Amrot, (Sind).

UNITED PROVINCES.

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 Collvin Medical Hall, Mall, Cawnpore.
 Dehra Medical Store, Old Cantt. Road, Dehra Dun.
 Durga Pharmacy, Old Cantt. Road, Dehra Dun.
 Durwesh Medical Hall, P.O. Haswa, Fatehpur.
 Jivan Pharmacy, Chhota Bazar, Bhandara.
 Keshab Deb Medical Hall, Lala Bazar, Almora.
 Medical Stores, 1, Rani Mill, Delhi Road, Meerut City.
 Mohan Eye Hospital, Sarai Hakkim, Aligarh.
 Phospho-drops Works, Gorakhpur.
 Sarin Medical Hall, Farrukhabad
 Shri Shyam Bihari Lal Vaidya Bhushan, Shahjehanpur.
 Siddons & Co, Lahori Tola, Benares City (Specific for Insanity).
 Upper India Stores, Khairnagar Gate, Meerut.

METAL FOUNDRIES.

(See Iron & Metal Foundries).

METAL MERCHANTS.

(Also see Hardware & Mineral Merchants).

ASSAM.

Assam Engr Works, Gauhati

BENGAL.

Venesta Lead Mill, Kamarhati

BIHAR.

Cape Copper Co, Ltd, Rakha Mines, Singhbhum

Indian Copper Corporation Ltd, Ghatsila, Singhbhum
 Norongo Tin Mines, Giridih, Hazaribagh (Also Wolfram)
 Sharma Engineering Works, Kadamkuan Rd, Patna
 Timpla Co. of India Ltd, Golmuri, Singhbhum

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Indian Medical Association, 67,
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Indian Medical Laboratory Ltd.,
44, Badui Bagan Street, Cal
K Mazumdar, B.A., 1, Rajkumar
Chatterjee Rd, Cossipore, Cal
(Specific for Malaria & Spleen)
Lyon Chemical Works, 2, Jiban
Krishna Ghose Rd, Belgatchia,
Calcutta.
Modern Electro-Medical Hall, 59,
Bentinelk St., Calcutta
S. G. Molynd & Co, 14/2, Old China
Bazar Street, Calcutta
Sil & Co, Room No 119, Tilletta
Bazar, Calcutta
Sun Chemical Works, 54, Ezra
Street, Calcutta.
Standard Pharmaceutical Works,
Ltd., 67, Ananda Palit Rd, Cal
Vartintzgy & Co, 303, Bow Bazar
St., Calcutta.

CENTRAL PROVINCES.

Amrit Pharmacy, Mahal, Nagpur.
Bombay Medical Stores, Tajna-
peth, Akola
Central Medical Stores, Sitabaldi,
Nagpur.
Imperial Pharmacy, Sadai Bazar
Jubbulpore
Jagat Pharmacy, Kotwali Rd,
Jubbulpore

DELHI.

Bal Bahar Pharmacy, Delhi
Delhi Dental Supply Co, Fateh-
puri Bazar, Delhi
Capital Chemical Co, Chandni
Chowk, Delhi
Gangotri Commercial House, Eger-
ton Road, Delhi.

Haji Shamsul Haq & Sons,
Fatehpuri Bazar, Delhi.
Heibalm Manufactory, New
Delhi.
Modern Chemical Works Ltd.,
Darya Ganj, Delhi.

INDIAN STATES.

Amrit-Balm Office, Junagadh,
Kathiawar.
Anand Medical Stores, Yeshwant
Bazar, Indore.
Bhavnagar Medical Hall, Bhay-
nagar, Kathiawar.
Dr. V. O Kotak, Porbandar.
Jaipur Medl Hall, Gangori Bazar,
Jaipur City.
Kashmir Pharmaceutical Works,
Baramulla, Kashmir.
Lakshmi Narasimha Pharmacy,
Hassan, Mysore.
Lustre Manufacturing Co, Chik-
magalur, Mysore.
New Pharmacy, Chandpole Bazar,
Jaipur City.
Popular Medical Hall, Shroff
Bazar, Bhavnagar, Kathiawar.
Popular Medical Store, Near Post
Office, Jamnagar, Kathiawar.
Popular Medical Stores, Bosan
quet Market, Indore City.
Rajputana Medl Stores, Ladpura,
Kotah
Shah Medical Stores, Ranjit Rd.
Jamnagar, Kathiawar.
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E Plomer & Co, The Mall,
Lahore
H. R. Pasricha & Coy., Wellin-
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Erode, Coimbatore. (Tin).

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Ghutia Bazar, Hooghly.

British India Minerals & Manu-
facturing Co, Giridih.

Chimanlal Desai & Co, 54, Bent-
inck Street, Calcutta.

Indian Metal Polish Factory, Se-
rampur, Hooghly.

Kashmir Industry and Produce
Co, Srinagar, Kashmir.

Laly Chemical Works, 3, Rama-
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Calcutta.

M. N. Chatterjee Simultala, Be-
hala, 24-Paiganas (Rouge).

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pindi.

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Sett & Dass Co. 78/79, Beadon
St., Calcutta

Water Lily Chemical Works,
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Bombay Laboratory Ltd. 131Q,
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sion, Kalbadevi Rd., Bombay 2

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Gupath Metal Factory, 21, Nehar
Peth, Poona City

Kant Metal Works, Station Road,
Bilimora, Surat

Shivaji Metal Works, Main Rd.,
Sholapur

Vaishampayan & Co, Nasik City.
(Silverware)

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Foundry, 74, Narkeldanga Main
Road, Calcutta

Gopal Chunder Dass & Co., Ltd.,
24, Raja Woodmunt St., Cal.

National Metal Industries, 1,
Bagjala Rd., Dum Dum Road,
Calcutta

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Sulemanji & Co, Jubbulpore

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Chhatbar Trading Co, Jamnagar,
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M. Faizullahbhai & Co, Bhajipala Lane, Khalaai Chukka Bombay.

Ommersee Kesowjee & Co, Post Box No. 1, Bombay, Head Office — Cannanore, Br — Calicut. Telicheerry & Mangalore

S. D Soni Metal Works Mazgaon, Post Box No 776, Bombay.

V. Manachchandia & Co. 406. Katha Bazar, Bombay

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A N Hussunally & Co. 28. Strand Rd, Calcutta

Anandji Haridas & Co. Ltd. Meerbohri Ghat, Lohaputty, Barabazar, Calcutta

Andrew Yule & Co. Ltd. 8. Clive Row, Calcutta.

Balmer Lawrie & Co., Ltd. 103. Clive Street, Calcutta; 5, Graham Road, Bombay

Chunilal Hemraj, 70. Clive Street. Calcutta (Zinc Sheet).

Indian Metals & Alloys Co. Ltd., Hide Road, Kidderpore, Cal

Jatindra Mohan Pandia Nath. Mamick Ratan Paul, 62, Clive Str., Calcutta.

Kontinds (Agency), 144, Dhurumtola St., Calcutta.

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P. C Coomarr & Sons, 64 68, Clive Street, Calcutta.

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S. P. De & Sons, 51A, Clive Str. Calcutta

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William Jacks & Co., 9, Clive St. Calcutta

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 Ramdoyal Chogmull, P. O. Jhumri-Telaiya, Hazaribagh.
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 S. Agarwala & Co., P. O. Giridih, Hazaribagh.
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Road, Simla

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Amritsar.

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Aligarh Metal Works, Raja Dar-
waja, Benares City.

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garh.

Prabhakar Metal Works, Jaigani,
Aligarh.

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Abdul Ghani & Co. Nasuabad.
Ajmer.

Adam & Co's Mica Mines, Kodar-
ma, Hazaribagh

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E I R (Exporters).

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Calcutta

B N Saha & Co's Dhoracola
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darma, E I Ry.

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Telaiya, Hazaribagh.

Bainath & Co., P. O. Giridih,
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Hazaribagh

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Giridih, Hazaribagh.

Bharonath Daulat Nath, P. O.
Domchanch, Hazaribagh.

Bhaurilal Kishanlal, P. O. Jhumri-
Telaiya, Hazaribagh

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Jhumri-Telaiya, Hazaribagh.

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Telaiya, Hazaribagh.

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Danulal & Sons, P. O. Jhumri-
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ing Syndicate, Diggi Bagh, Jal-
pur City.

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Hazaribagh.

Gunpat Rai Ltd., P. O Jhumri-
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bagh.

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Row, Calcutta.

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Station, Ahmedabad 2

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Woodmunt Street, Calcutta

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 Dadiba Ardeshr & Co, 4, Bruce Street, Fort, Bombay.
 Das & Co., 59, Apollo St. Fort, Bombay.
 Duncan Stratton & Co, 5, Bank Street, Bombay.
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 Harmukhalal & Company, Lentin Chambers, Dalal Street, Fort, Bombay.
 Hiralal Gokaldas Lala & Co, 45, Nagdevi Cross Lane, Bombay.
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 Ishverdas Jugmohandas & Co, 34-38, Bank St, Fort, Bombay
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 Mangaldas Jesingbhai & Co., Tamarind Lane, Fort, Bombay, Sakar Bazar, Cross Lane, Ahmedabad
 Mitsui Bussan Kaisha Ltd, Kitab Mahal, 192, Hornby Road, Fort, Bombay. 100, Clive St, Cal.
 Narottamdas Chunilal & Co, 51, Tamarind Lane, Fort, Bombay.
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 Shantilal Vadilal & Co, Revdi Bazar Cross Lane, Ahmedabad
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 Star Trading Co, 28, Apollo St. Fort, Bombay.
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 Thakore Brothers, 29, Churchgate St, Fort, Bombay.
 Turner, Hoare & Co, Ltd, Apollo Bunder, Bombay.
 Volkart Bros, Graham Rd, Ballard Estate, Bombay.
 W. H. Brady & Co, Ltd, Churchgate St, Bombay; Mercantile Bldgs, Lal Bazar, Calcutta.
BOMBAY PRESIDENCY.
 Alliance Trading Co, Reid Road, Ahmedabad.
 Bhagvantrao Maganlal Doshi, As todia Chakia, Ahmedabad.
 C B Zaveri & Co, Brosch. Chandabhai Bros, & Co. Outside Delhi Gate, Ahmedabad.

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 Deccan Gold Fields Development Co., Ltd., Yadgir, Deccan.
 Gypsum Mines, Bhadravati, Marwar.
 Indian Industrial Syndicate (Regd) Rajahmundry, S India.
 Jaipur Mineral Development Syndicate, John Bazar, Jaipur.
 Mysore Asbestos Product Coy., Mysore.
 Mysore Chromite Coy., Ltd., Arsi-kere, Mysore.
 Mysore Gold Mining Co., Ltd., Markuppam, Kolai.
 Nundydroog Mines, Ltd., Oorgaum, Kolai (Gold).
 Oorgaum Gold Mining Co., Ltd., Oorgaum, Kolar.
 Ram Narain & Bros., Alwar, Rajputana.
 Travancore Minerals Co., Ltd., Eraniel, Travancore.
 Worthington Iron & Steel Branch, Shimoga, Mysore.

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F. X. Pereira & Sons, 75, Poona-mallee High Road, P. O. Box No 297, Park Town, Madras

R. C. Narasimhachariar, 24, Lloyds Road, Royapettah, Madras (Exporter).

MADRAS PRESIDENCY.

Abbas Magnesite & Co., Salem.
 Bellary Manganese Mining Co., Bellary.
 East Indian Trading Co., Lalbhag Bldg., Tilak St., Nellore.
 G. Chennappa & Co., Gadigi Bldg., Bellary.
 Gadigi Mineral Mining Co., 'H.O. Gadigi Bldgs, Bellary, S I. Br. —Gadigi Mines, Samehalli Ry. Stn, M. S. M. Ry. Prop —Gadigi Chennappa.
 Garbham Mines, Chipurupalli, Vizagapatam
 General Sandur Mining Co, Ltd., Kammathaluvu, Sandur, Bellary. (Manganese Ores)
 Magnesite Syndicate, Ltd., Salem, Junction.
 Oakley Duncan & Co., Ltd., Oakhpuiam, Madras Presy.
 Sankar (Gold) Mining Syndicate, Ltd., Sydapuiam, Dist Nellore

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 Export & Import Corporation, 148, Banker's Street, Meerut.

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(See Oil & Lubricant Manufacturers & Dealers).

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 Behary Lal Dey, 9, Swallow Lane, Calcutta (Also tin plate).
 Behary Lal Paul & Bros., 119, Canning St., Calcutta
 Bengal Glass Store, 11/B, Swallow Lane, Calcutta.
 Bombay Mirror Mart, 126/1, Canning St., Calcutta.
 Deb K. Law & Co., 7, Swallow Lane, Calcutta.
 Dutt & Co., 2/4, Swallow Lane, Calcutta.
 Economic Glass House, 25A,

Swallow Lane, Calcutta.
 Fotie Lal Seal & Sons, 10/1, Swallow Lane, Calcutta.
 Hassan Ali Mamoonjee & Sons, Marriott Rd, Karachi.
 Kanai Lal Dhur, 11, Swallow Lane, Calcutta.
 Karimji Ebrahimji Arsiwala, 120, Abdul Rehman St., Bombay.
 Koonjo Behari Chandra & Sons, 10/1, Swallow Lane, Calcutta
 Naran Chandra Dey, 2, Swallow Lane, Calcutta
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Pollachi Trading Co., Market Road, Pollachi, Coimbatore.
Seth Atmaram Nandaram, Bazar St, Erode.
South Indian Commerce Co., Pennington Road, Tanjore.
Sri Anjaneya Mill Stores, Rama Engineering Works, Vizianagaram, Dt. Vizagapatam.

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H R. Brothers & Co, Swami Shraddhanand Park, Meston Road, Cawnpore.
Kodesia Engineering Co., Nainital Road, Bareilly.
Ramnarain Chela Ram. Sudder Bazar, Meerut.
Shiam Narain Kishen Narain, Chowk Bazar, Cawnpore
Shri K Jha & Co, Grand Trunk Road, Opp Edward Park, Aligarh.

MINERAL MERCHANTS.

(Also see Metal Merchants).

BALUCHISTAN.

Baluchistan Chrome Co., Ltd., R. S Hindubag, Baluchistan.

BENGAL.

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BIHAR.

Jubilee Mineral Concern, Makatpuri, Giridih.
Kimsi Buiu Chromite Mine, P. O Chaibassa, Singhbhum
W Young & Co, Kalunga, Singhbhum. Br—Gua, B N. Ry

BOMBAY.

George Brothers, 38, Fort Street. P O Box 105, Fort, Bombay.

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Shivrajpur Syndicate, Ltd, Shivrajpur, Panchmahals.

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Blawas, Sinha & Co, 9, Dalhousie Square East, Calcutta
Calcutta Mineral Supply Co, Ltd., 81, Jackson Lane, Calcutta
Central Mineral Agency, 101/B, Chittaranjan Avenue, Calcutta.
Central Trading Co. 5. Nawab Badruddin St, Calcutta.
East India Mineral Syndicate, 69, Surendra Nath Banerjee Road, Calcutta

Graphite Mining Co, 5, Pollock Street, Calcutta
Himalayan Musk Depot, 118, Harrison Road, Calcutta Head Office —Nepal
Indian Copper Corporation Ltd, 8, Clive Street, Calcutta.
Kantwalla Nanavati, 135, Canning Street, Calcutta.
Limestone & Co, P94, Lake Road, Calcutta.
Lyon's Mineral Co, 6, Humayan Place, Calcutta
N K Sarkar, 10, Chowringhee Road, Calcutta.
Oriental Minerals Syndicate, 6, Commercial Bldgs, Calcutta
P. Buige & Co, 94, Central Avenue, Calcutta.
Pacific Minerals Ltd, 100, Clive St, Calcutta.
S N Bios, 1, Gourdas Basak St, Barabazar, Calcutta.
Standard Metal Trading Co., 77/1, Clive Street, Calcutta.

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B P Byramji & Co, Nagpur.
Central Provinces Manganese Ore Co, Ltd, Nagpur.
Jekhi and Bauxite Mines, Katni, Jabulpore.
Netra Manganese Co. Ltd. Chhindwara.
Patna State Graphite Mining Co., Titilagarh P.O., (B N Ry).
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B. T. Motor Co., 24B, Park Str.,
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Bentineck Motor Stores, 30, Ben-
tineck St., Calcutta

Calcutta Motor & Cycle Co., Mei-
cantile Bldgs., 11-B, Lall Bazar
Str., Calcutta

Continental Motor House, 9,
Ashutosh Mukherjee Rd., Cal.
Cornwallis Cycle, Motor &
Electrical Works, 61, Bentineck
St., Calcutta.

E. R. Joseph & Co., 9, Waterloo
Str., Calcutta

Eastern Auto Parts Co., 61, Ben-
tineck Str., Calcutta

Eastern Motor Stores, 11, Chow-
ringhee Road, Calcutta

F. Stahel & Co., Post Box No.
2074, Calcutta. (Motor Maivel
Petrol Saver).

French Motor Car Co., Ltd., 234/3,
Lower Circular Rd., Calcutta.

Ganeshdas Ramgopal, P75, Chitta-
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Avenue (South), Calcutta

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Agency, 12, Waterloo St., Cal

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Punjab Motor Stores, 16, Ashu-
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R. J. Bawa, 1, Mandi Street,
Calcutta

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Upper India Trading Co Ltd., 11,
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B. M. Penty & Co., Cantonments,
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Singhai Mojlal & Sons, Jubbul-
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Imperial Cycle & Motor Co.,
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Gujrat Motor Stores, Maharani
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Imperial Motors, Main Road,
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India Motor Car Co. Ajmer Rd.,
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Indore Motor Equipment Stores,
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J. D. Malaviya & Co, Junagadh.

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Ram Narain & Bros, Alwar, Raj-
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Sainik's Co-op Stores, Station
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Sarada & Co, Mysore Bank
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Chatra Industrial Co Old Bazar Road, Serampur, Hooghly.

G S Mhaskar, 205, Girgaon Rd., Bombay 4

Roy Brothers, 49, Chandni Chowk 2nd. Gate, Calcutta

S. M Hanif Brother, 168/6, 7, Dharamtala St., Calcutta.

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Assam Engineering Works, Gauhati.

Chakravorty & Co, T O & P.O. Tangla, Assam.

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C Vakil & Company, Velkar Building, Opp Y. M. C. A. Lamington Road, Bombay 1.

Frank & Francis, Lamington Rd, Bombay 4.

Harvan Motor House, Kapole Nivas, Sandhurst Road, Bombay

Hiralal L. Shah & Co, New Queen's Road, Bombay.

Hormasji Sorabji & Sons, 33-35, New Queen's Rd, Bombay.

K R Baldev & Co, Near Imperial Cinema, Lamington Road, Bombay

Laxmidas & Dwaikadas, Laxmi Bhuwan, 464-66, Sandhurst Rd., Bombay 4

Motor and Carriage Stores, 155, Bhendy Bazar, Bombay 9

National Engineering Co (India) Ltd, Asian Bldg., Ballard Estate, Post Box 381, Bombay.

Oriental Tyre Company, Haraiwala Bldg, Golpitha, Bombay 4

Rane Limited, New Queen's Rd, Bombay

Saftee Automobiles, Sandhurst Road, Bombay 4.

Universal Automobiles, 58, Sandhurst Road, Bombay.

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Tiwary Bechari & Co Ltd, Jamshedpur

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Allied Motors Ltd. Sandhurst Bridge, Bombay.

Associated Automobiles, 4, Queen's Rd, Bombay

Automobile Co Ltd. 5-12, Queen's Road, Bombay.

Bombay Cycle & Motor Agency Ltd, 534, Sandhurst Bridge, Bombay 7.

Bombay Garage, Opp Band Stand, Chaupatty, Bombay.

Bombay Motors Ltd, 33, New Queen's Road, Bombay.

Dadajee Dhackjee & Co, Sandhurst Bridge, Bombay.

Deccan Motor Service Ltd, 11, Elphinstone Road, Poona.

F. M. Chinoy & Co, Band Stand, Chowpatty, Bombay

Ford Motor Co of India Ltd., Swadeshi Mills Estate, Charni Road, Bombay

French Motor Car Co. Ltd. New Queen's Road, Bombay.

Harvan Motor House, Kapole

Nivas, Sandhurst Road, Bombay.

General Motors India Ltd., Fotherby Road, Sewri, Bombay.

Indian Automobile Co., Ltd. 4, Apollo St, Fort, Bombay.

Lamington Cycle & Motor Co., Churchgate Str, Fort, Bombay.

Metro Motors, Hughes Road, Bombay.

Morris Industries (India) Ltd., Love Grove Road, Worli, Bombay.

Rolls Royce Ltd, Hughes Road, Cumbala Hill, Bombay, 57.

Park St, Calcutta

Swiss Engineering Co. Ltd., Show Room:—12A, New Queen's Rd., Bombay. Service Station.—

Swadeshi Mills Compound, New Queens Road, Bombay.

United Motors (India) Ltd., Hughes Road, Bombay.

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Mody & Co, East St, Poona Br.—29, New Queen's Road, Bombay

Sarosh Motor Works, Ltd, King Rd, Ahmednagar.

Sholapur Motor Stores, Murarjee Peth, Sholapur.

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Continental Tyre & Rubber Co, 1/17, Mount Road, Madras.
English Cycle & Motor Importing Co, 9, Broadway, Madras
Motor & General Trading Co. Mount Road, Madras.
Motor & General Trading Co. Mount Road, Madras
Motor Reconditioning Station, 161, Mount Rd, Madras
P Simon & Co, 23-24, Ettabalu Chetty St. G T, Madras
Raghunandan & Co, 1/11, Mount Road, Madras
Standard Motor Electric Works, General Patten Rd., Madras
Union Co, 17, Mount Road, Madras
W A Bardsell & Co, Ltd, Second Line Beach Madras

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Metropolitan Auto Electric Works, Bezwada, S I
Misquith Motor Company, Hampankatta, Mangalore. S Kanara
R Thandapani Chettiar. Negapatnam, Tanjore
Rathanasingh Stores, Near Fund. Office, West Tower St, Madura
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United Motor (Coimbatore) Ltd., Avanashi Road, Coimbatore.

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Khyber Automobile Stores, Saddar Road, Peshawar.
Surrey Automobiles, Suddar Bazar, Peshawar Cantt

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Berry Brothers, Motor Works & Service, Church Lane, Balasore.
Dalsukhlam Joshi & Sons, Jharpapara, Sambalpur
Ghish Chandia Bose, Bakhirabad, Chandni Chowk, Cuttack.
Mitia & Co, Lion's Gate, Puri.
P. S. Abdul Razak & Sons, Dalapara, Sambalpur.

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Amolak Ram Motor Co. Sargodha
Duni Chand & Co, Ferozepore.
Ganga Bishan Jaggan Nath, Moga
Hindustan Motor Stores, Karnal
Jain Motor Engineering Works, 153, Merchants Road, Ferozepore
L Bindaban Murrailal, Ambala
Panna Lal, Moga
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Cawnpore Automobile Company, Cawnpore
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Kailash Motor Stores, Dehra Dun
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Romer Dan & Co., Mount Road,
Madras.
Simpson & Co., Market Road,
Madras (Tyres, etc.)
Standard Motor Electric Works,
33, Mount Road, Madras.

MADRAS PRESIDENCY.

Anneesham & Co., Sultanpet, Pal-
ghat, Malabar
City House, West Tower Street,
Madura
Modern Motor Co., Hampankatta,
Mangalore, S. Kanara.
Pierce Leslie & Co., Bunder,
Mangalore, S. Kanara.
Row Bros., Bezwada, Kistna.
United Motor (Coimbatore) Ltd.
Avanashi Road, Coimbatore.
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Bagai Motor Works, Bannu.
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Berry Brothers, Motor Works &
Service, Church Lane, Balasore.

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Dhaiam Chandra Agarwal &
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Gupta Workshop, Montgomery.
Mangal Singh & Bros., Sargodha.
Noor Din & Brother, Saddar Rd.,
Ferozepore.
Punjab Motor & Engineering
Works, Staff Road, Ambala
Cantt.
Royal Motor Co., Ludhiana.
Seth Kanshi Ram & Sons, Sar-
godha.

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Edujee Boyce & Co., Civil Lines,
Jhansi.
Kapoor Motor Stores, Moradabad.
Mau Motor Car Co., Naurangabad.
Maunath Bhanjan.
Midland Motors, 114-A, Bridge
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Dacca Musical Mart, Victoria
Park (South), Dacca.
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Hindusthan Industrial Syndicate.
Sarat Kutir, Purulia, Manbhum.
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Raghunath Chowdhury & Sons,
Sarayanagari, Muzaffarpur.

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G. Bose & Co., 508, Kalbadevi
Road, Bombay.
Gangaphone Talking Machine Co.,
432-434, Kalbadevi Rd., Bombay.
James & Co., Navsari Bldg., Horn-
by Road, Fort, Bombay.
Universal Trading Corporation,
89, Princess St., Post Box 2042,
Bombay 2

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A. Annett & Co., 2432, East Street,
Poona N 1.
B S Kadri, Kachnu Masjid, Jamal
pur, Ahmedabad
Chandbhai Mohamedbhai, Ahme-
dabad Bazar, Kaira.
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 Ford Motor Company of India Ltd., 2, Justice Chandra Madhab Road, Calcutta.
 French Motor Car Co., Ltd., 234-3, Lower Circular Road, Calcutta
 G. McKenzie & Co., (1919), Ltd., 208, Lower Circular Rd, Cal
 Great Indian Motor Works, Ltd., 12, Govt. Place, East, Calcutta.
 H. D. Garage, 73, Free School St., (Now 7-C, Rani Rashmoni Road), Calcutta.
 International Tires & Motors Ltd., 2, Rowland Rd, Calcutta
 Jalan Mitra & Co., 15, Old Court House Street, Calcutta
 Leyland Motors Ltd., 76, Lower Circular Road, Calcutta
 Motor Importing Co. Avenue Chambers, Central Avenue, Cal.
 Mousell & Co, Ltd., Mercantile Bldg., Lal Bazar, Calcutta
 S. G. Nath & Co., 88/2, Wellesley Street, Calcutta.
 Stewart & Co. Ltd., 57, Park Str., Calcutta.
 Thornycroft (India) Ltd., 48, Diamond Harbour Rd, Calcutta
 Walfords, 71-73, Park St, Calcutta.

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 Nowshwan & Son, Simrole Rd. Mhow.

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B. M. Penty & Co. Victory House, Jabulpore

DELHI.

Allied Motors Ltd., Delhi
 Delhi Automobile Co., Kashmere Gate, Delhi.

Federal Motors Ltd., Scindia House, New Delhi.

INDIAN STATES.

Ali Mohamad Giga, Junagadh, Kathiawar.
 Aspinwall & Co, Ltd, Main Rd, Trivandrum, Travancore
 Chumanlal N. Bndshah, Station Road, Baroda
 Express Motor Co., Gulmarg, Kashmir.
 Gopinath Lal Behari, Satna.
 J. D. Malaviya & Co, Junagadh, Kathiawar
 M. Puttliah & Sons, Sayaji Road, Mysore
 Madras Cycle & Motor Mart, 7936, James Street, Secunderabad, Dn.
 Mathradas Samji & Co, Junagadh, Kathiawar.
 Mehta Bros., Old Para Station Road, Raykot Pura, Kathiawar
 Motor House (Guj) Ltd, Porbandar
 Pierce Leslie & Co. Ltd, Vallatharay, Trivandrum, Travancore
 Punjab Motor Co., Gulmarg, Kashmir.
 Ram Narain & Bros., Alwar, Rajputana.
 Rama Krishna Chettiar Co, Ltd, Trivandrum, Travancore
 T. Stanes & Co, Ltd, Alumunda Rd, Trivandrum, Travancore
 V. Ramaswami Naidu, Sree Krishna Bldgs, Malleswaram, Bangalore.

KARACHI.

Menghraj & Co., Bunder Road, Karachi.
 United Automobiles, Bunder Rd, Karachi.

LAHORE.

Kandawalla & Co, The Mall, Lahore
 Maddens Ltd, The Mall, Lahore
 Narain Das & Co. The Mall, Lahore
 Paris Motor Coy., McLeod Rd, Lahore

MADRAS CITY.

Addition & Co, Ltd, Mount Rd, Madras
 Byramshaw & Co, Ltd, 29, General Patter's Road, Madras

Star Music House, Erode.
T. P. Marimuthu & Co., Tanjore.
Welcome Musical House, 89, Raja
Street, Conjeeveram.

PUNJAB.

Gregory & Co., Music House,
Murree.
H. J. Butalia & Co., Jullundur.
Highland Pipe Co., Sialkot.
Krimson & Co., Sialkot City.
London Pipe Co., Sialkot City.
Majid & Co., Majid Bldg., Amrit-
sar.
Military Bagpipe Mnf. Co., Sial-
kot.
Mohammad Yai & Sons, Sialkot.
Paras Ram & Bros., Solan, Simla.
Petro Brothers, Sialkot City.
S. Henry & Co., Sialkot City.
Shyme & Co., Music House,
Murree

UNITED PROVINCES.

A. Godia & Co., Bombay Bazar,
Meerut.
Azad & Co., (Govt. Contractors),
Grand Trunk Road, Aligarh.
Balbir Bros., Aligarh.
Benares Radio Gramophone
Stores, Godhoulia, Benares City.
H. & F. Gregory, Bombay Bazar,
Meerut.
Maxitone Record Co., Ltd., Mes-
ton Rd., Cawnpore.
Miri Flute Co., & Music Ware-
house, Chowk Bazar, Aligarh.
Ram Singh & Bros., Chowk
Bazar, Aligarh.
Sakhri Bros., Kambli Gate, Mee-
rut City.
Singh & Co., Near Choti Deokali
Temple, Ajodhya, Fyzabad.
Sultan Co., Aminabad Park,
Lucknow.

MYROBALAN DEALERS.

Dharmji Tavanappa Anagol, Bel-
gaum, M. S. M. Ry.
Kona Krishna Rao, Narasapat-
nam, Vizagapatnam.
Lakshmichand Keshrichand, Betul-
ganj, P. O., Betul.

Mangtural Rewashwas, Betelganj,
P. O., Betul.

Mathuradas Mulchand, Katni.

P. Mathuradas & Co., Parasia,
Chindwara, C. P.

NEWSPAPER AGENTS.

A. C. Bhattacharjee & Bros.,
Titagarh, 24, Pargis
Ajit Kumar Sarkar, Lohagara,
Jessore.
Azad Trading Co., Grand Trunk
Road, Aligarh.
Broadway Publicity of India, 3/1,
New Bowbazar Lane, Calcutta.
D. B. Taraporevala Sons & Co.,
210, Hornby Road, Bombay.
Eastern News Agency Ltd., Par-
liament St., New Delhi.
Excelsior News Agency, Santha-
peta, Vizianagram City.
Hirji Govindji, Gandhigunj, Jub-
bulpore.
Ideal Book Depot, Rajpur Road,
Dehra Dun.
Jagan Nath Gupta, Opposite Mus-
lim Orphanage, Parade, Cawn-
pore.
Lakshman Singh, Rosera Ghat,
Dt. Darbhanga.
Madras News Agency, 193, Mount
Road, Madras
Malik & Sons, Commercial Bldg.,
Railway Road, Sialkot City.

Mohini & Co., Rohri, Sind.
Nagar School Book Depot, Tanda,
Fyzabad Dt.
Narendra Kumar Mitra, Sutahat,
Cuttack.
News Agency, 148, Big Bazar St.,
Trichinopoly.
News Agency, 6173, Chipitola,
Agra
News Mart, Great Cotton Road,
Tuticorin.
P. C. Dutt, Sibsagar, Assam.
Premier News Agency, Nagercoil,
S Travancore.
Rama News Agency, The Mall,
Simla (6).
Sarma's News Agency, Amalapu-
ram, E. Godavary.
Sewak Sadan, Jaipur City,
(Rajasthan).
Singhal News Agency, Aligarh.
Shree Krishna Trading Agency,
Shimoga Road, Bhadravati,
Mysore State, Br.—Big Bazar,
Shimoga, Mysore State.
Sree Ram News Agency, Sree
Ram Institute Bldg., Erode.

HARI HOSIERY FACTORY bleaches
"HOSIERY THAN" nicely at cheapest rate.

Umiashankei Gangashanker Shukla, Moto Pandya Khadki, Navsari, Surat.

CALCUTTA.

Calcutta Musical Mart, 182/8, Lower Chitpur Road, Calcutta
 Calcutta Musical Stores, 5, Lower Chitpore Rd., Calcutta
 Dalal's Musics & Varieties, P-2A, Tallola Avenue, Calcutta
 Derumm & Co., 183, Dharamtalla Street, Calcutta.
 Dharamtala Music Stores, 157/B, Dharamtala St., Calcutta.
 Dwarkin & Sons, 11 & 12, Esplanade, Calcutta.
 Hindusthan Musical & Varieties Syndicate Ltd, 6/1, Akur Dutt Lane, Calcutta
 Howrah Music Emporium, Incorporated with Variety Trading Co., 1-B, Swallow Lane, Calcutta. Factory—Sibpore Road, Howrah
 J M Mollocco & Co, 12/8A, Lindsay St., Calcutta
 J. N Ghosh, 84/2, Harrison Rd., Calcutta
 K Edulji & Sons, 5, Dharamtala Street, Calcutta
 L C Saha, 5, Municipal Market West, Cal; 183/4, Dharamtala St., Calcutta
 Menezes, Band Suppliers, 17/G, Free School St., Calcutta.
 N B Sen & Bros, 11, Esplanade East, Calcutta
 N. Darwin & Co., 18, Rani Rashmoni Road, Calcutta. (Formerly 4/2, Free School St.,) Calcutta
 Nagina Musical Products Co, 18, Mirzapur St., Calcutta
 Paul & Sons, 9-1-2, Arpuly Lane, Calcutta
 R. B. Das, 8-C, Lal Bazar St., Calcutta
 Radio and Photo Stores, 44B, Roberts St., Bowbazar, Calcutta
 Ruby & Co, 309, Bowbazar Street, Calcutta
 S. N. Bhattacharya, 5, Dharamtala St., Calcutta
 T E Bevan & Co. Ltd, 21, Old Court House St., Calcutta Br — Mussoorie

CENTRAL INDIA.

De Gueira Music House, Post Office Road, Mhow.

DELHI.

Central Gramophone Agency, Chandni Chowk, Delhi
 Inder Singh Bros, Nai Sarak, Delhi

CENTRAL PROVINCES.

J. Fernandez, Kamptee Rd., Nagpur.

INDIAN STATES.

Bapalal M Musician, Bajwada Khatri Pole, Baroda
 Jacobs & Co, Kottayam, Travancore.

K V. Mathews, Ernaculam, Cochin.
 Krishna Gramophone House, Ajmer Rd, Jaipur City
 M. D. Duttatraya & Co, Residency Bazar, Hyderabad, Dn
 P. A. Rama Iyer & Sons, Trichur, Cochin State
 Phone & General Agency, Sayaji Road, Mysore.

Reid & Co, Reid Bldgs, Oxford St., Secunderabad, Deccan
 Rupchand & Sons, Bhabran Bazar, Bahawalpur.
 Vyravan & Co, Balamore Road, Nagercoil, Travancore.

KARACHI.

Apollo House, Elphinstone St. Karachi
 Hemandas Chellaiam, Bunder Rd., Karachi
 Khemsing & Sons, Bunder Rd. Karachi

LAHORE.

Babras Musical & General Agency, 20E, Mayo Road, Moghalupia, Lahore
 Biftish Piano Saloon. 11, Sir Shadi Lal Bldgs, Lahore
 Music House, Anarkali St. Lahore.

MADRAS CITY.

Hutchins & Co, P O Box No 388, Mount Road, Madras
 Mahomed Ebrahim & Co. Rattan Bazar, Madras
 Musical Products Ltd, Mount Road, Madras

MADRAS PRESIDENCY.

A R Swamy & Co, New Columbia House, Srivaikuntam, Dt Tinnevely

WESTERN INDIA LIFE INSURANCE CO., LTD., SATARA
A PURELY SWADESHI & MOST EFFICIENT LIFE OFFICE.

Globe Nursery, 25, Ramdhone Mitter Lane, Calcutta.

Great Salkia Nursery, 38-B, Protapaditya Road, Cal (Flowers).

Hobbs & Co., Ghughudanga Nursery, Ghughudanga P. O., Calcutta.

Ivy Nursery & Seeds Stores, 93-5, Hurry Ghose St., Calcutta.

J. Mullick & Co., 81, Jessore Rd., Phulbagan, Dum Dum, Calcutta.

Manna & Co., 46, Ramdhone Mitter Lane, Calcutta.

May Queen Nursery Co., Post Box 11440, Calcutta (Citrus trees).

Model Nursery, 5-1, Tuljara Rd., Ballygunge, Calcutta.

Nurjehan Nursery, 2, Kankurgachi 1st Lane, Narkeldanga, Calcutta.

P. P. Chatterjee & Nephew, Flower Range, New Market, Calcutta.

Paradise Nursery, 51, Durga Charan Mitter St., Calcutta.

Royal Agri-horticultural Society, Alipur, Calcutta (Flowers).

Royal Gardening Association, 59, Bentinck St., Calcutta.

S. C. Mukerjee & Sons, 10, Flower Stall, New Market, Calcutta.

S. P. Goondoo & Sons, New Market, Calcutta. (Florists).

Sutton & Sons, Ltd., 13/D, Russell Street, Calcutta.

DELHI.

Delhi Seed Stores, Near Railway Station, Near Serai Rohilla Theatre, Delhi. (Seeds).

Mohan Lal & Sons, Near Rekabganj, Gurdwara, N Delhi.

INDIAN STATES.

E. P. Ram & Sons, Alleppey, Travancore (Mango seeds).

Empire Nursery & Gardens, Lal Bagh, Fort Rd., Bangalore City.

International Seed Co., Lal Bagh, Fort Rd., Bangalore City.

Kanhaya Lal, Bosanquet Market, Indore City.

M. Mooniswamy & Sons, Lalbagh Rd., Bangalore.

M. Obalappa & Bros., P. O. Basavangudi, Bangalore.

Majestic Nursery, Lal Bagh, Fort Rd., Bangalore.

Mysore Horticultural Society, Lalbagh, Bangalore.

KARACHI.

Khoja Alloobhai Kassim, Near Boulton Market, Karachi.

LAHORE.

Punjab Seed Stores & Nursery, 12, Sir Shadi Bldgs, Lahore.

MADRAS PRESIDENCY.

S. K. I. Abdul Rahman Sahib & Sons, Salem Nursery Gardens, Salem.

PUNJAB.

Mineva Farming Co., 13/14L, Sia Kassowal, Dt. Montgomery.

(Also Food Preservative).

UNITED PROVINCES.

Acclimatised Seed Stores, "The Ranche" P. O. Dehra Dun.

American Seed Stores, Qandhari Bazar, Fyzabad.

Bertryl Seeds, Mussorie, U. P. Brookfield Seed Stores, "Brookfield," Dehra Dun.

Dehra Dun Seeds Stores, P. O. Dehra Dun.

Fyzabad Seed Company, (Regtd.), Fyzabad. (Cauli Flower Seeds).

Ghaziabad Nurseries, 31, Grand Trunk Road, Ghaziabad.

Govt. Botanical Garden, Saharanpur.

Himalaya Seeds Stores, Barlowganj, Mussorie.

L. R. Brothers, Saharanpur.

Shandar Nursery, (Regd.), Geneva Hope, Amroha, Moradabad.

Shri Sitaram Krishi Shala, Benares City.

T. Raychowdhury's Gardens, 113, Lukerganj, Allahabad.

OIL CAKES DEALERS.

Balchand Kusturchand, Amalner, E. Khandesh.

Dwarkanadas Vallabdas Gandhi, Cochin.

Gangaram Dhondiba, Kinggalli, Ahmadnagar.

Hajee Essa Hajee Moosa, Cochin State.

Jaganath, Baijnath Oil Mill Co-operganj, Cawnpore.

Jalu Ram Gobinda Ram, Jogbani, Purnea.

INSURE WITH SHREE LIFE ASSURANCE COMPANY, LIMITED,
6-10, DEAN LANE, BOMBAY, 1.

Sri Ramkishna Trading Co,
Narasaraopet, Guntur Dt.
Students Book Depot, Parade,
Cawnpore.
T Chandu Kutty, Calicut, Mala-
bar.

V W. Bagve, Dadai, Bombay 14.
Wadhu Mal & Co, Fish Market,
Sehwan, Larkana, Sind.
Weldon Library, 37-39, Park
Street, Calcutta.

NIB MANUFACTURERS.

C M Karmakar & Co, Comilla
F N Gooptu & Co, Ltd, 12, Be-
haghata Rd, Calcutta
G C Law & Co, 63, Radha Bazar
Street, Calcutta
General Agency Office, Sultan-
pura, Lahore.
Ideal Pen Works, Sialkot, Pun-
jab
Ishai Singh, Roberts Rd, Lahore
Kaushia General Trading Co,
Aminabad Park, Lucknow
Kulkarni Bros, Pannalal Terrace.
Bombay 7.

M Hriday Narayan, 32, La
Touche Road, Lucknow.
Nib Manufacturing Co, Ltd,
Malvan, Dt Ratnagiri.
Orient Ltd, 22, Canal West
Road, Calcutta.
Ramchandra Industrials, Gwalior.
Rani Nib Factory, Malvan, Rat-
nagiri
Tambat Bros., Lashkai, Gwalior.
V. S Ball & Co, 240, Hornby Rd.
Fort, Bombay
Waise Bros, Sialkot, Punjab

NURSERYMEN & SEEDS MERCHANTS.

BALUCHISTAN.

Quetta Fruit Agency, Yate Road,
Quetta

BENGAL.

Agriculture & Horticulture Farm.
Jiaganj, Murshidabad
Chandia Nursery, Rhenock, Sik-
kim (Bulbs, Plants & Orchids).
G Ghose & Co, Town End, Dar-
jeeling
K & B Bros, Panchanantala St.
Bally, Howrah
L B Pradhan & Sons, The
Citrus Nursery, P O Pakyong,
Sikkim, (Bengal)
Nau Rang Lall Agarwalla, P O
Kalimpong, Dt Darjeeling.
Nawranglall Lajpat Roy, Rhenock
P O, (Sikkim).

BIHAR.

Darbhanga Nursery, Ruseia, Dar-
bhanga
Dijon & Son, Ghatsila (Rose).
Grand Nursery, Darbhanga.
Lawrence Nursery, Darbhanga.
(Mango).
Maharaja Garden Nursery,
Ruseia, Darbhanga (Also Fresh
Fruits & Grapes).
Mihijam Nursery, Mihijam, S F.
Muzaffarpur Orchard & Nursery,
Muzaffarpur. (Mango &
Litchie)

P Bhattachari & Son, Empress
Jubilee Gardens, Deoghar.
Rosegardens, Mihijam, E I R
BOMBAY CITY.

Amin Nursery, Ghgaon, Bombay
Deviam Ramji, Opp Victoria
Gardens, Dyculla, Bombay 8
Palekar & Co, Sitaram Bldg.
Near Crawford Market, Bom-
bay

BOMBAY PRESIDENCY.

Gujrat Seed Stores, Nadiad.
Kaira
N. Cooper & Co, Napier Road.
Poona
Patel Seed Stores, Near New
Post Office, Nadiad, Kaira
Pestonji P. Pocha & Sons, 8,
Napier Rd, Poona.
Vishnoo Sadashiv & Co, Camp,
Poona.

CALCUTTA.

A Bose, Ltd, 9, Flower Stall, New
Market, Calcutta
Bose Sons & Co, 7, & 10, Biswas
Nursery Lane, Bellaghutta, Cal
C J Lumsden Carter, 19, Convent
Road, Entally, Calcutta
Das's Nursery & Flower Garden.
Roy Bahadur Rd, Behala, Cal
De & Co, 210, Upper Circular
Road, Calcutta
Ghugudanga Nursery, Dum Dum
Junction, Calcutta

Insure happiness and security of your family with The Great Home Life
Assurance Co. Ltd. Ch. Agts—Biswas & Co., 20, Lal Bazar St., Calcutta.

Narottamdas Karsandas & Co.,
235/37, Kalbadevi, Bombay 2.
Western Indian Oil Distributing
Coy., Amir Chand Bldg., Bal-
lard Estate, Bombay. (Russian
Petrol).

BOMBAY PRESIDENCY.

Gati & Co., Opp. Railway Station,
Ahmedabad 2. (Texaco's).
Merit Oil & Trading Co., 2168,
Reid Road, Ahmedabad.

CALCUTTA.

Bengal Burma Trading Co., 5/2B,
Raja Raj Balluv St., Calcutta
Bharat Oil Distributing Co. Ltd.
12, Dalhousie Sgr. East, Cal-
cutta. Br.—Shyam Bazar,
Park Circus, Showanpore
Godown.—Chella; Storage —
Budge-Budge.

Burmah-Shell Oil Storage & Dis-
tributing Co., of India Ltd.,
Hongkong House, Dalhousie Sq.,
Cal. Br.—Bombay, Madras, Ka-
rachi, & Lahore, New Delhi.

C. C. Wakefield & Co., Ltd., 7,
Royal Exchange Place, Calcutta
(Also Bombay, Delhi, Karachi,
Lahore, Madras).

Calcutta Stores Supplying Co.,
10/2, Syed Sally Lane, Calcutta.

Demalik & Sons, 14-B, Ram
Prasad Shaha's Lane, Calcutta.

Don Watson & Co., Ltd., 19, Bri-
tish Indian Street, Calcutta.

Ganeshdass Ram Gopal, 1, Chitta-
ranjan Avenue, Calcutta.

Moolchand Surajmull, 15, Clive
Street, Calcutta.

P. B. Shah & Co., 26, Clive St.,
Calcutta. Br.—113, Manohar-
das Chuck, & 11/A, Radha Bazar
Lane, Calcutta

Robert McLean & Co., Ltd., 101,
Clive Street, Calcutta.

Seroggie Bros., 2, Clive Ghat St.,
Calcutta.

Shankerlall Bissesarlall, 30, Clive
Str., Calcutta

Standard Vaccum Oil Co., 6,
Church Lane, Calcutta (Also
Bombay, Karachi, Madras, Ran-
goon).

T. S. Mahara & Sons, 11, Zaka-
riah St., Calcutta.

Texas Company (India), Ltd.,
United India Insee. Bldgs, Cen-

tral Avenue, Calcutta Br.—
Madras, Karachi, Bombay &
Colombo. (Also Asphaltum).

Tide Water Oil Co., (India), Ltd.,
8, Clive Row, Calcutta Br.—

Bombay, Madras, & Lahore.

Valvoline Oil Co., B-5, Clive
Bldgs., Calcutta, Br.—Bombay,
Madras, Rangoon.

Victor Oil Co., Ltd., 11, Clive St.,
Calcutta.

Walworth International Co., 14/2,
Clive Row, Calcutta.

INDIAN STATES.

Bombay Stores, Big Bazar, P. O.
Malleswaram, Bangalore.

Ghulamali Tayabali, Neemuch,
Gwalior.

Hemraj Kanji, Bazar, Morvi, Ka-
thiawar.

K. K. Mackai Pillay & Sons,
Cochin. (S I).

Kasturchand Kishan Sarup,
Katra Nauharian, Patiala.

Madho Prasad Sitaram, Bhadohi,
Benares State

KARACHI.

Mills Store Co., Napier Road,
Karachi.

Shah Bagwanlal Ranchordas, Na-
pier Road, Karachi.

MADRAS CITY.

Best & Co., Ltd., North Beach
Road, Madras.

G. Sirur Agency, 144, Broadway,
G T Madras.

J. Balagurunath Chetty & Co.,
22, Govindappa Naick Street,
Madras.

MADRAS PRESIDENCY.

A. S. Manickram & Co., Tanjore.

Asiatic Petroleum Co., Cocanada.

B. Sitaramiah & Sons, Ellnore.
Godavary

Burma Oil Co., Cocanada, Goda-
vary.

P. S. Srinivasa Iyengar, Great
Cotton Road, Tuticorin.

R. Thandapani & R. Sattamuthu
Chettiar, Negapatam, Tanjore.

Vizianagram Mining Co., Ltd.,
Chipurupalle, Vizagapatam.

ORISSA.

Doongaisidas Murlidhar & Sons,
Buxi Bazar, Cuttack. (Petrol).

PUNJAB.

Attock Oil Co., Ltd., Rawalpindi.

WESTERN INDIA LIFE INSURANCE CO., LTD., SATARA.
A PURELY SWADESHI & MOST EFFICIENT LIFE OFFICE.

K S. Siva Rao, Mungonda, Ambajipeta Post, S. I.
 Keerachand Madhavjee & Co., Cochin.
 Khona B J., Cochin.
 Madan Mohan Oil Mills, Bhushawal.
 Narayana Vajappa Bhandary, Cochin

Penugonda Malliah & Co., Guntur.
 Radha Kishan & Co, Gauhati.
 Radha Krishna Sita Ram, Couperganj, Cawnpore.
 Rangappa Baliga & Co., Cochin.
 Seth Govindaram Jaigopal Das, 114, Mint Street, Sowcarpet, Madras.

OIL CLOTH MANUFACTURERS.

(See Waterproof Manufacturers).

OIL & GAS ENGINES DEALERS.

Atlas Engineering Co. Railway Road, Lahore.
 Balmer Lawrie & Co., Ltd., 103, Clive Street, Calcutta.
 Belliss & Morcom Ltd, A/3, Clive Buildings, Clive Street, Calcutta.
 Berry Bros, 15 Clive Street, Calcutta.
 Calcutta Engineering Co, 9, Clive Row, Calcutta
 Duncan Stratton & Co, 5, Bank Street, Bombay
 Eastern Electric & Engineering Co, 129 Esplanade Rd. Fort, Bombay.
 F & C. Osler Ltd, 12, Old Court House St., Calcutta.
 Greaves Cotton & Co, Ltd, 1, Forbes Street, Bombay; 60, Dharramtola Str., Calcutta.
 Heatly & Gresham Ltd, 6, Waterloo St, Calcutta
 Indo Swiss Trading Co, 2, Church Lane, Calcutta

Jessop & Co, Ltd., 93, Clive Street, Calcutta
 John Fleming & Co., Ltd, Bastian Road, Bombay.
 London Trading Co, Bezwada.
 M. S Vernal & Co, Bharat Insurance Building, Central Avenue (South), Calcutta
 Marshall Sons & Co., (India), Ltd, 99, Clive Street, Calcutta.
 Masseys (1930) Ltd, Main Road, Royapuram, Madras
 Mirrless Watson Co, Ltd, Grosvenor House, 21, Old Court House Str, Calcutta
 Nazir Engineering Works., Del Mohd Road Lahore.
 Reliance Engineering Co., 97/1, Clive Street, Calcutta.
 Richardson & Cruddas, Bynulla, Bombay.
 Swiss Locomotive & Machine Works, Post Box 690, Bombay
 Worthington-Simpson Ltd, 10, Clive Street, Calcutta

OIL & LUBRICANT MANUFACTURERS & DEALERS.

(Also see Kerosene Oil Dealers).

AJMER-MERWARA.
 Gulam Ali Tyeb Ali, Naya Bazar, Ajmer.

ASSAM.
 Assam Oil Co, Ltd, Digboi, Lakhimpur, Upper Assam
 Budderpore Oil Co, Ltd, Badarpur Ghat, Cachar

BENGAL.
 Balchand Teymall, Siliguri
 Himalayan Petrol Supply Co, Kurseong.
 R N Paul, Dig Bazar, Narayan-ganj.

Upendra Nath Ghose, Rajpur, Sonarpur, 24-Para

BOMBAY CITY.

Chandulal T Parikh, 299, Sandhurst Road, Bombay 4
 Greaves Cotton & Co, Ltd, 1, Forbes Str, Bombay Also
 Karachi Ahmedabad & Lahore
 International Oil Co Ltd, 17, Ravelin Street, Fort, Bombay
 Motor & General Stores Supplying Co, Kothari Mansion, P O Box No. 492, Fort, Bombay 1.

The Great Home Life Assurance Co. Ltd. (Bombay) Chief Agents for Bengal, Assam & Orissa, Biswas & Co., 20, Lal Bazar St, Calcutta.

- S. Veeraswamy Chetty & Sons, Kalahasti. (Groundnut Oil).
 Surampally Venkateswarulu, Tuni, Godavari (Gingelly Oil).
 Thulasi Das Dangarjee Sait, Perundurai Road, Erode.
 Vakrat Pockoo & Sons, P.O. Mattanchery, Ponani, Malabar, (Copia & Coconut Oil).

PUNJAB.

Universal Company Ltd., Railway Road, Kasur

UNITED PROVINCES.

Gudhai Das Gopal Das, Ghazipur.
 Gulab Ram Dhora Ram, Gollu Ghat, Ghazipur.

Hadiz Mohd Anwar, Katra Ahmadganj, Farrukhabad.

Kesho Rai Ram Piasad, Ghazipur.

Makhanlal Chaitnsukhdas, Kanauj. Br — Naysagan, Cawnpore, Abdulahman Street, Bombay, Chowk, Near Nishat Talkies, Benares

Nasain Dass Lachman Dass, Cawnpore (Linseed Oil).

Fadha Krishna Sita Ram, Coudperganj, Cawnpore.

Item Lal & Sons, Najibabad.

Ram Prakash, Moh. Laxmiganj, Kasganj

OIL MILLS.**ASSAM.**

Dasuram Mirzamull Oil Mills, Gauhati.

Sree Ganesh Oil & Rice Mills, P.O. Tezpur, Assam Br — 198, Cross Street, Calcutta

BENGAL.

Bhowani Pure Oil Mills, 139, Benares Road, Salkia, Howrah

Haribhusan De Oil Mill, Alamgunj, Buidwan.

Howrah Oil Mills, Ramkrishnapur, Howrah & 135, Foreshore Rd., Howrah.

Kunjlall Gouridutt Oil & Rice Mill, Bakari, Buidwan.

Mohin & Co, Hatpookur Road, Lillooah, Howrah. (Linseed & Mohua).

Nuffer Chandra Atta, Oil Mill, 22, Benares Road, Howrah

Ramdayal De's Oil Mill, Alamgunj, Buidwan.

Sham Lal Oil Mill, Pangsia, Faridpur

Sreemanta Oil Mill, Khagria, Mui-shidabad

Surajmull Fulchand Oil Mill, Rajshahi

Swaka Oil Mills, Lillooah, Howrah (Linseed).

BIHAR.

Annapurna Rice & Oil Mills, Raxaul, Champaran

Bhagwatipeishad Agarwala Oil Mill, Pakur, Santhal Pargana

Dharaj Sagaur Mall Oil Mill, Sahebganj, Santhal Pargana

Laxminarayan Oil Mill, Jhalia.

Ramdayal De Vaidechand Oil Mill, Sahebganj, Santhal Pargana

Shew Mills Co. Bhagalpur.

Shree Bhagwati Mills and Foundries, Khagaul, Dt Patna.

Shree Mahabirji Das Mills, Lakhsaia, E I R

Shri Jagdish Mil Co., P.O. Naugachia, Dt Bhagalpur.

Sree Kalyaneswari Mills, Sitarampur

Sree Mohan Pannalal, Mozahidpur, Bhagalpur City. Br — Bhairab (Mymensingh), Chandpur, (Tippaia), Narainganj & Mirkadim (Dacca)

Sri Krishna Oil Mills, Kedarnath Rd., Muzaffarpur. (Til Oil).

Sri Madhab Mills Ltd, Patna

Victoria Oil Mills, Bhagalpur.

BOMBAY CITY.

Ahmed Oomerbhoy, Two Tanks, Grant Road, Bombay &

Swastik Oil Mills Ltd, 27, Bastion Road, Fort, Bombay

Tata Oil Mills Co, Ltd, Bombay House, 24, Buce Street, Fort, Bombay.

Vallimahamad Dossabhoj, Parsee Statue, Byculla, Bombay

Vishnu Oil Mill, Old Anjurwadi, Mazagaon, Bombay.

BOMBAY PRESIDENCY.

Ambika Vijaya Oil Mill, Harapura, Kalyug, Mohola, Surat

Babu Balser, Janjira Muud, Kolaba.

D C Gabba & Sons, Goharbag, Biffimora, Surat

INSURE WITH SHREE LIFE ASSURANCE COMPANY, LIMITED,
 6-10, DEAN LANE, BOMBAY, 1.

RAJPUTANA.

Ramchander Balabakhsh, Agts.
Burmah-Shell Oil Storage Co.,
Ltd., Sambhar Lake.

UNITED PROVINCES.

Makund Lal, Azamgarh

R. A. Nariman & Co, Farrukhabad.

Radha Krishna Sita Ram, Couperganj, Cawnpore.

Ram Narain Chela Ram, Sadar Bazar, Meerut.

United Oil Co. (India), Ltd., 15, Civil Lines, Cawnpore.

OIL MERCHANTS.

(Also see Oil Mills).

BENGAL.

Protap Chandra Saha, Khaga, Baichitolla, Murshidabad.

BOMBAY CITY.

Asian Oil & Margarine Manufacturing Co., Ltd, Kadi, Bombay.
Haji Ali Haji Abdul Sakur & Co., Jail Road, Babula Tnuav, Umar-khadi, Bombay.

BOMBAY PRESIDENCY.

Saturn Refinery (Regd.), Abrama, Via Vedchha, Surat Dt. (Vegetable oil refiners).

Shah Bros, Richey Road, Ahmedabad.

Shah Gandabhoj Gopalji, Bilmora, Surat

Shah Keshrichand Bhanbhoy, Bilmora, Surat.

CALCUTTA.

Adam Hajee Peermohamed Essack, 1, Amratolla Lane, Cal.
D M Lockat, 148/4, Lower Chitpur Rd., Calcutta.

Gouripur Mills, 2, Fairlie Place, Calcutta.

Hajee Habib, Hajee Pir Mohamed & Co., 25, Amratalla Street, Calcutta (Coconut Oil).

Hossein Kasam Dada, 25, Amratalla Street, Calcutta.

Khimjee Hansraj, 165, Lower Chitpur Road, Calcutta

Maya & Brother, 25/3, Kanai Dhur Lane, Calcutta.

Mohamed Ebrahim Mohamed Jaffar, 16, Amratalla Lane, Cal.

Mohin & Co., 10, Beadon Row, Calcutta. (Mohua Oil).

Saleh Mohamed Haji Kassam, 23, Amratalla Lane, Calcutta

Shakur Haji Gani, 10, Amratalla Lane, Calcutta.

Shital Chandra Pal, 5, Nawab Lane, Calcutta. (Neem Oil).

CENTRAL PROVINCES.

R. N. Waghmare, Hinganghat, Wardha.

Waiora Oil Mills, Station Road, Warora, C P.

INDIAN STATES.

Adam Hajee Pirmohamed Essack, Cochin.

Bhavandas Mohanlal, Cochin

Cochin Chemical Co., Ayalur, Cochin (Cocoanut Oil)

Hajee Essa Hajee Moosa, Cochin

I. I. Iyyappan, Cochin.

K. K. Mackar Pillay & Sons, Cochin, (S L).

Kamath, G. V. Cochin

Tulasidas Hansraj, Cochin

MADRAS.

Rajan & Co., 26, Audiappa Naick St., G.T., Madras (Also Butter).

MADRAS PRESIDENCY.

Chandaj Khubaji & Co, Guntur

D Ramaswami & Co, Guntur, (Groundnut Oil).

Dasari Eriah Co, Ellore (Tannin & Pungam Oil).

K. S Siva Rao, Mungonda, Ambajipeta Post, S India

Kuchi Rajeswara Sastry, Mungonda, Ambajipeta Post, S I.

M. Narayana Rao & Manepalli Prasadaraao, Ellore, W Godavary. (Gingelli Oil, etc.).

Nallam Subrahmanyam & Chunduri Subbarao, Ellore, W. Godavary. (Tannin & Pungam Oil)

P. V. Ramaler & Bros, Big Bazar, Palghat, Malabar, (Oil Mundy)

P. Srinivas Jettulal Singi, Bellary (Groundnut Oil)

Rahimtulal Alimohamed, Cocanada, Godavari.

S P. Piramanayagam Pillai, South Raja St., Tuticorin.

S. S. Palanisamy Nadar, Aruppukottai, Ramnad.

Insure happiness and security of your family with The Great Home Life Assurance Co. Ltd. Ch. Agts—Biswas & Co., 20, Lal Bazar St., Calcutta.

Vitthal Oil Mills, Goya Gate, Baroda.

LAHORE.

Kuldip Oil Mills, Lahore.

MADRAS CITY.

C K Samarapuri Chetty, 1, Guntiah Naidu Street, Madras.

MADRAS PRESIDENCY.

Badam Spbarao's Oil Press, Cocanada, Godavary.

Guntakal Oil Mill & Deot. Factory, Tiumentchiria, Guntakal.

Malabar Rice & Oil Mills, West Hill, Malabar.

P. Kadhar Mohddeen Rowther, Lord Napier St, Erode, Coimbatore

Ramdas Haridas Rice & Oil-Mill, West Hill, Calicut, Malabar.

Shri Krishna Oil Mills Co, Mangalore, S K. (Cocanut Oil)

Sri Venkatesh Oil Mills, Palghat Road, Pollachu (Cotton & groundnut oil & cakes).

ORISSA.

Hindusthan Oil Mills, Chaulisgunj, Cuttack

PUNJAB.

Amritsar New Steam Roller Flour & Oil Mills, Amritsar.

Ganesh Flour Mill, Lyallpur.

Guru Arjan Dass Oil Mills, Sargodha.

Guru Nanak Oil Mills, Sargodha. Krishna Oil Mills, Ludhiana.

UNITED PROVINCES.

Amritlal Gulzarilal Oil Mills, Firozabad, Agra

Banshidhar Priemsukhdass Oil Mills, Maithan, Agra.

Bharat Industrial Oil Mills, 39, La Touche Rd, Lucknow.

Dina Nath Narpatrai Oil Mills Co, Coupeiganj, Cawnpore.

Ganga Oil Mills & Ginning Factory, Coupeiganj, Cawnpore

Juggilal Kamlat Oil Mills, Coupeiganj, Cawnpore.

L Jagannath Prasad & Sons, Sipad Bazar, Meerut.

Matadin Bhagwandas, Bansmandi, Cawnpore.

Naraindass Lachhmandass, Nayaiganj, Cawnpore.

New Premier Oil Mills, Coupeiganj, Cawnpore

Northen India Oil Industries Ltd, Cawnpore.

Radha Krishna Sita Ram, Coupeiganj, Cawnpore.

Tikaram Mulchand Oil Mills & Ginning Factory, Hathras City

OILMAN'S STORES DEALERS.

BENGAL.

Bombay Stores, 6/11, Adamjee Labour Lane, Belur, (Howrah)

R. M. Das & Co, 119, Hrishnesh Das Rd, Dacca. (Crushed Food)

BIHAR.

R. P G Vidyathi, Eshwari Mansion, Beapui, (Patna).

BOMBAY CITY.

Chimanlal Chotalal & Co, Vadgadi, Samuel St, Bombay 2.

Hirubhai Maneckji & Co, 9, Mangalore St, Frere Rd. Fort, Bombay.

Yazdani & Co, Crawford Market, Hornby Road, Bombay

BOMBAY PRESIDENCY.

Bombay Shop, Near Station, Ahmedabad.

N. Sorabji & Co, Arsenal Road, Poona Camp.

CALCUTTA.

Baborally Sirdar, 45, Hogg Market, (New Bldg, North), Calcutta

Dr. Depto's Chemical Works Ltd., 49-B, Harrison Rd., Calcutta.

G F Kellner & Co, Ltd., 32, Chowringhee, Calcutta.

George Brothers, 9 & 10, Entally Market, Calcutta

Girdharilal & Co., 10/11, Bertram St., New Market West, Calcutta.

Hajee Ahmed, G-24 & 25, Sir Stuart Hogg Market, Calcutta.

Gonesh Shaw & Co., 46/1, Municipal Market (North), Calcutta.

Goodwill & Co, P4/36, Bertram Street, Calcutta

H M Snajuddin & Co, 7, Municipal Market, Calcutta

Haji Md. Akbar & Son, C-74, New Market, Calcutta

Haigovindas Tribhovandas, 55, Ezra Street, Calcutta.

M. E Britain & Co, E 26, New Market, Calcutta

WESTERN INDIA LIFE INSURANCE CO., LTD., SATARA.
A PURELY SWADESHI & MOST EFFICIENT LIFE OFFICE.

Fakirbhai Bhikhabhai, Bangla
Falia, Billimora, Surat
Fakirbhai Kaisondas, Modhesh-
wadi Mill, Billimora, Surat.
Gandabhai Gopalji, Desai Pole,
Billimora, Surat.
Gujarat Oil Mill & Mfg. Co., Ltd.,
Asarva, P.O. Railwaypura, Ah-
medabad.

Jhaveri Jivan Melita, Sonivad,
Billimora, Surat.

Kasam Abhram Kolia, New Ghan-
chivad, Billimora, Surat.

Manik Oil Mills, Manikpura Bldg.,
Sholapur.

Manikbag Oil Mills Ltd., Bel-
gaum (Also Soap).

New Laxmi Oil & Chemical
Works Ltd., Derol, Panch-
mahal.

Oil Mill of J. H. Madan & Co.,
Dhastipura, Near Rajburaj,
Surat.

Sabarmati Railway Oil Mills,
Sabarmati, Ahmedabad

Shah Bros., Richey Rd., Ahmeda-
bad.

Unjha Oil Mills Co., Unjha, (N.
Gujarat)

Vijaya Oil Mill, Near Ripon
Hospital, Ahmednagar

CALCUTTA.

Arjundass Gulabrey, 5, Shama-
bai Lane, Calcutta

Ashutosh Oil Mill, 242, Upper
Circular Road, Calcutta

Banshidhar Baijnath Oil Mill,
32/4, Sahitya Parishad St., Cal.

Bhagat Oil Mills, 32/4, Sahitya
Parishad St., Calcutta. Prop:—
Banshidhar Baijnath

Bharat Oil Mill, 243, Upper Cir-
cular Rd., Calcutta

Bishwar Oil Mill, 67-40, Strand
Rd., Calcutta

Deokarandass Prabhudayal Oil
Mills, 36/1, Canal West Rd., Cal

Ganesh Oil Mills, 43, Ultadanga
Rd., Calcutta

Gour Pure Oil Mills, 67/4, Strand
Road, Calcutta

Hrishikesh Oil Mills, 237, Manick-
tolla Main Road, Calcutta.

Lakshmi Oil Mills, 242/1, Upper
Circular Road, Calcutta.

Surajmull Kedarnath Oil Mills,
153, Upper Circular Road, Cal.

Sri Hanuman Oil Mill, 6, Canal
East Rd., Cal. (Also Dal Mill).

CENTRAL PROVINCES.

Akbar Manufacturing & Press Co.,
Ltd., Rly. Station Burhanpur
Mohamedali Oil Mills, Raipur, C.P.
Warora Oil Mills, Station Road,
Warora.

DELHI.

Jindal Oil Mills, Shahdara, Delhi.

INDIAN STATES.

Abdul Hussain Abdul Kadar &
Co., Oil Mills, Palluruthy,
Cochin

Baroda Oil Mills, Goya Gate,
Baroda.

Bramhappa Tavanappanavar Oil
Mills, Davangere, Chitaldrug.

Cochin Oil Mills, Kochangadi,
Cochin

Dhannalal Rankanwai, Chowgan,
Kotah.

Eiamhappa Tavanappanavar Oil
Mills, Mysore City.

Falruilla Oil Mills, Cochin.

Haridas Maneckchand & Co.,
Mattancherri, Cochin.

Indian Cotton Oil Mill, Navsari
Mahalaxmi Oil Mills, Davangere,
Chitaldrug

Mangalore Oil Mills, Ltd., Cochin.

K. J. Lazar, Irinjalakuda, Cochin
State

K. Naganna Setty Appajappa Oil
Mills, Bangalore City.

Kottayam Oil Mills Ltd., Kottay-
am, Travancore

M. V. Oil Mills & Iron Foundry,
Shertally, Travancore.

Mathem Varkey's Oil Mills,
Shertally, Travancore.

N. C. Chacko Oil Mill, Alleppey,
Travancore

Padmanabiah's Oil Mill, Tumkur.

Natwarsinghi Oil Mills, Porbandar.

Sivaji Soapnut & Oil Mills, Cha-
marajpet, Bangalore City.

Sri Ramkrishna Oil Mills, Banga-
lore City.

Sil Venkateshwarai Oil Mills, Prop
Kotriake Pulliah Chetty, Dhona,
Kurnool Dt.

St. Anthony's Oil Mill, Kutha-
thodu, Tutavoor, Travancore

Varughese Oil Mills, K S Cochin

The Great Home Life Assurance Co. Ltd. (Bombay). Chief Agents for
Bengal, Assam & Orissa, Biswas & Co., 20, Lal Bazar St., Calcutta.

New Optics Manufacturing Co.,
267, Bow Bazar Str., Calcutta.
Optik Haus, 11, Esplanade East,
Calcutta.

Optical Mfg. House, 11, Bow-
bazar Street, Calcutta.

Optics Manufacturing House, 11,
Bow Bazar Str., Calcutta.

P. C. Banerjee, 37, Dharamtala
St., Calcutta. H. O. Darjeeling.

P. N. Smith & Co., 34/1, College
St., Calcutta (Also Dentists).

Popular Pharmacy Ltd., 167,
Russa Road, Calcutta.

Presidency Pharmacy, 205, Coin-
wallis Str., Calcutta.

R. C. Ghose & Sons, 285-4, Bow
Bazar Str., Calcutta.

Relief Watch Co., 80, Lower Chit-
pur Road, Calcutta.

Stephens & Co., Ltd., 23, Chow-
ringhee Rd., Calcutta.

U. N. Co., 80, Harrison Road,
Calcutta.

Walter Bushnell Ltd., 21, Old
Court House St., Calcutta, 2,
The Mall, Simla.

CENTRAL PROVINCES.

Ahmedali & Tayebali, Bombay
Shop, Omti Bridge, Jubbulpore.
Barjal & Co., Lordgunj, Jubbul-
pore

DELHI.

Delhi Optical Co., Chandni Chowk,
Fort End, Delhi.

Fazal Haq & Son, Fazal Haq's
Buildings, Ballhmaran St., Delhi

Hope Optical Co., Esplanade Road,
Delhi.

Modern Optical Co., Chandni
Chowk, Fort End, Delhi.

Mumuk Optical Co., Connaught
Place, New Delhi.

Punjab Spectacles Co., Chandni
Chowk, Delhi

INDIAN STATES.

A. J. Ram & Sons, Market, Sayy-
aji Rd., Mysore

B. P. Nanjundappa, Bowringpet,
Kolar, Mysore.

H. B. Khan & Co., Rajkot Pura,
Kathuwar

Jodhpur Optical House, Court Rd.,
Jodhpur.

S. N. Rama Rao & Sons, Fort,
Bangalore

S. R. Krishna Rao, Avenue Road,
Bangalore City.

Vedi & Sons, Station Rd., Jodh-
pur.

KARACHI.

Bombay Spectacle Co., Mundkhan
Road, Karachi

Dental & Optical Hall, Bombay
Bazar, Karachi

Hariram Soonderji Soosania, El-
phinstone Street, Camp Karachi.

Katania Optical Factory, Bunde
Road, Karachi.

LAHORE.

Di. B. B. Dewan & Sons, 10, The
Mall, Lahore.

Indian Watch Co., Anakali,
Lahore

Kripa Ram & Sons, The Mall,
Lahore.

MADRAS CITY.

M. A. Chari & Co., 9, Broadway.
Madras

M. Pathe & Co., 185, Mount Road,
Madras.

Norton & Co., 2 & 4, South Beach
Road, Madras

MADRAS PRESIDENCY.

G. T. Sarma & Co., Vizagapatam.
K. Sanyasi Rao, Vizagapatam.

P. Subramiah & Co., Veeranki
Lock, Kistna

Ram & Sons, Bezvada, Kistna.
Sanny & Co., Vizagapatam.

Y. Rama Rao & Sons, Brito Bldg.,
Hampankatta, Mangalore, S. K.

PUNJAB.

A. N. Janjua & Sons, Chowk
Bazar, Multan City

Hari Singh & Sons, Hall Bazar,
Amritsar.

London Optical House, Wheat
Market, Ferozepore.

Phool Chand & Co., Mall Road,
Simla

UNITED PROVINCES.

B. N. Barjal, Kaiserbagh Circus,
Lucknow.

The Popular Pharmacy Ltd.

167, Russa Road, Bhowanipur, Calcutta.

Sight Testing Ophthalmic Optician—Dealers in Ophthalmic Goods.

Mookerjee & Co., 20, Bertram St., Calcutta.

Sen Gupta Brothers, 32/7, Beadon Street, Calcutta.

Sirajuddin Ahmed & Co., 7, Municipal Market, West, Calcutta.

CENTRAL INDIA.

Amerjee & Son, near Police Station, Mhow.

Rustomjee & Co., Montielth Road, Camp, Mhow.

CENTRAL PROVINCES.

Dinkar Timbak & Co, Akola, Berar.

M. M. Patel & Co, Akola, Berar, DELHI.

National Provision Stores, Connaught Place, Delhi.

Sheo Passhad Daya Chand, Raja Bazar, New Delhi.

INDIAN STATES.

C. M. & Sons, 32, Devaraja Market, Sayyaji Rao Rd, Mysore.

KARACHI.

Fiore & Co., Bunder Road, Karachi.

K. J. Panachand & Co., Bunder Road, Karachi.

New Paris Stores, Bunder Road, Near N. J. High School, Karachi.
Victory Stores, Hospital Road, Karachi

LAHORE.

F. J. King & Co, Railway Road, Lahore.

MADRAS PRESIDENCY.

Andavar Stores, Fort, Coimbatore

PUNJAB.

Hampshire Piggery, Kasauli, Ambala

Indelible Commercial Syndicate, Charing Cross, Dagshai, Simla.

UNITED PROVINCES.

Abdul Karim & Sons, Meeson Road, Cawnpore

OPTICIANS.

BENGAL.

Diamond Optical Hall, Dalabazar, Midnapore.

K. Chuckerburtty, M. I D A, 24, Ram K Ganguly Lane, Shibpur, Howrah

Standard Optical Co, Station Rd, Bhadreswar, P O Hooghly

BIHAR.

Chandra Optical House, Bhagalpur City.

BOMBAY CITY.

Mansukhlal & Co, 356, Kalbadevi Road, Bombay 2.

Universal Optical Co, 340, Kalbadevi Road, Bombay.

Sethna Bros, Charni Road, Tram Junction, Girgaum, Bombay.

BOMBAY PRESIDENCY.

C. Govind & Co, Gandhi Road, Ahmedabad.

Chandrakant Premchand & Co., Three Gates, Ahmedabad.

P. M Dastui & Co, 3092, Three Gates Road, Ahmedabad.

Pandya Optical Works, Kanpith, Lal Gate, Surat.

Surat Optical Mart, Kanpith, Surat.

Standard Optical Co, Budhwarpath. (near Post Office), Poona.

CALCUTTA.

B. K. Paul & Co, Ltd, 1 & 3, Bonfields Lane, Calcutta.

Bosray & Co., 3, Chowringhee Rd., Calcutta.

Calcutta Optical Co, 45, Ambent Street, Calcutta.

Calcutta Optical Mart, 205, Corn wallis St, Calcutta

Dental & Optical Hall, 61, Gilva St, Calcutta.

Eastern Optical Company, 306, Bow Bazar Street, Calcutta.

Ey-Site, 24, Lindsay St, Calcutta.

Fulfil Optical Co, 22, Chowringhee Road, Calcutta.

James Murray & Co, 5, Old Court House Street, Calcutta

K Edulji & Sons, 5, Dharamtala Street, Calcutta.

Lawrence & Mayo Ltd, 11, Govt. Place, East, Cal, 17, Mount Rd.

Madias, 44, Hornby Rd, Bombay, 81, Phayre Str, Rangoon.

London Optical Co, 306, Bowbazar Street, Calcutta.

Lyon & Lyon Ltd, 2, Wellesley Place, Calcutta.

National Optical Co, 14, Bowbazar St, Calcutta

New Indian Optical Co., 275/2, Bow Bazar Street, Calcutta.

Insure happiness and security of your family with The Great Home Life Assurance Co. Ltd. Ch. Agts—Biswas & Co., 20, Lal Bazar St., Calcutta.

Keshab Ch. Samanta & Sons, 19/1, Chetla Road, Calcutta.
 Khagendra Nath Mondal, Metia Vill., Dhanyakuria, 24-Parg.
 Krishna Mohan Chakraverty & Co., Sonatikri, 24-Parganas.
 M. M. Isphani, 108, Chetla Road, Calcutta.
 Mahesh Ch. Pal Nibaran Ch. Pal, Canal Circular Rd., Daspara, Calcutta.
 Mangilal Radhakissan, Canal Circular Road, Daspara, Calcutta.
 Motilal Shah, Matia Bazar, Canning Town, Bengal.
 Murari Krishna Ray, Galsi, Burdwan.
 Nagendra Nath Laha & Sons, 25, Chetla Road, Calcutta.
 Nandalal Chowdhury Satya Charan Pal, Canal Circular Road, Daspara, Calcutta.
 Naran Chandra Pal, Kusta Dass Sur, Memari, Burdwan.
 Narendranath Saha, Canal Circular Road, Daspara, Calcutta.
 Netal Pado Gupta, Saktighar, Burdwan.
 Nibaran Chandra Sarkar Iman Ali Biswas, Canal Circular Rd., Daspara, Calcutta.
 Nikunja Behari Mondal, Metia Vill., Dhanyakuria, 24-Parg.
 Nilmoney Mondal, Canal Circular Road, Daspara, Calcutta.
 Nimal Chaitan Biswas & Son, Nilmony Mittra Road, Talla, Calcutta.
 Panchanan Baks: Bimal Kumar Roy Chowdhury, Canal Circular Road, Daspara, Calcutta.
 Phalaram Mondal, Galsi, Burdwan.
 Phani Bhushan Bain & Co., Patankhali, Gosaba P.O., 24-Parg.
 Pratap Ch. Ganguly, Chetla Rd., Calcutta.
 Pulin Behari Bose, 62-2, Chetla Road, Calcutta.

Radha Govind Piamanick, Rana-ghat, Nadia.
 Rajani Kanta Mondal, Hingalgunge, 24-Parg.
 Ram Gopal Samanta, Saktighar, Burdwan.
 Ray & Co, Churibandar, Dinajpur.
 Rishi Case Laha, Memari, Burdwan.
 Sachindra Nath Mail, Bhampur, Dinajpur.
 Sadananda Bose, Hingalgunge, 24-Parg.
 Sadhan Mondal, Betharia Bansia, 24-Parg.
 Sarada Prosad Hazra, Memari, Burdwan.
 Sarat Chandra Guine, Hingalgunge, 24-Parg.
 Sarat Kumar Kumar, Memari, Burdwan.
 Satish Ch. Addy, 66, Chetla Road, Calcutta.
 Satish Chandra Dass, Radhakapur, Dinajpur.
 Satya Kinkar Chowdhury, Khana Junction, Burdwan.
 Shamapada Ghatak, Galsi, Burdwan.
 Sita Nath Mondal, Matia Bazar, Canning Town.
 Sochi Nandan Hazra, Kallinagar, P.O. Sandeshkhali, 24-Parg.
 Subodh Chandra Saha, Canal Circular Road, Daspara, Calcutta.
 Surendra Nath Kabasi, Nilmony Mittra Road, Talla, Calcutta.
 Surja Kanta Dutta, Saktighar, Burdwan.
 Sushil Chandra Kundu, Kougong, Dinajpur.
 Tarapada Mondal, Canal Circular Road, Daspara, Calcutta.
 Tulsiadas Dutt, 66, Chetla Road, Calcutta.
 Upendra Nath Nayak, Memari, Burdwan.

PAINT & VARNISH MANUFACTURERS & DEALERS.

BENGAL.

Calcutta Paint, Colour & Varnish Works, 14, Kolbartapara Lane, Salkia, Howrah.
 Indian Commercial Syndicate, 24, Wyer Str., Wail, Dacca

BIHAR.

D. N. Ghosh & Sons, Bankipur, Patna.
 Hira Lall & Sons, Bakergunj, Bankipore, Patna.
 Krishna Buti & Co., Muzaffarpur.

WESTERN INDIA LIFE INSURANCE CO., LTD. SATARA.
A PURELY SWADESHI & MOST EFFICIENT LIFE OFFICE.

Benares Optical Coy., Chowk, Benares City.

K. Krishna & Bros., Chowk, Benares City.

Lucknow Optical Co, Kaisarbagh, Lucknow.

Kailash Narain Punjal, Railway Road, Farrukhabad.

Metaul & Co, Bareilly.

Raza Hussain & Sons, Naubasta, Lucknow.

Sarfrax Hussain & Baqar Hussain, Aminuddaula Park, Lucknow.

Sen & Co, Cawnpore.

Shujaat Ali, Talaiya Fazal Imam, Farrukhabad.

Union Optical Works, Moradabad

Verman Bros, Drummond Road, Agra.

ORTHOPAEDIC STORES DEALERS.

B. K. Paul & Co, 1 & 2, Bonfields Lane, Calcutta.

Deformity Appliances & Hospital Stores, 11/1, Pratap Chatterjee Lane, Calcutta.

H. Mukherjee & Co, 39/1, College St., Calcutta.

K. Chapman & Co, Sandhurst Road, Bombay, 4.

N. Powell & Co, Ltd., Lamington Road, Bombay.

Orthopaedic Stores (India) Ltd, 3, College Square, Calcutta.

PADDY MERCHANTS.

Aghore Chandra Mondal, Hingalgunge, 24-Parganas.

Amarchand Ganga Bishan, Biratnagar, Joghani, Purnea.

Ashutosh Bhattacharyee, 69-1, Chetla Road, Calcutta

Ashutosh Mondal, Kalinagar, P. O. Sandesh Khali, 24-Pargs.

Atal Behari Bain, Metia Vill, P.O Dhanyakuria, 24-Pargs.

Badshah Mondal, Patuli, Rana-ghat, Nadia.

Baishnab Charan Mondal, Nilmony Mittra Road, Talla, Cal.

Bejoy Gobinda Guha, Saktighar, Burdwan.

Bejoy K. Addy & Amulradhan Addy, 74, Chetla Rd, Calcutta.

Bejoy K. Guine, Metia Vill, P.O. Dhanyakuria, 24-Pargs

Benode Behari Mondal, Hingalgunge, 24-Parganas.

Bhupal Chandra Manna & Sons, 20/1/2, Chetla Road, Calcutta.

Bidhu Bhusan Dass Basanta Kumar Dass, Canal Circular Road, Daspara, Calcutta.

Central Co-operative Paddy Sale Society Ltd, Canal Circular Rd., Daspara, Calcutta.

Champalall Sohanlall, Italghatta, Tallyganj, 24 Pargs.

Desarathi Ganguli, 43, Chetla Rd. Calcutta.

Debi Prosad Ghosh, Saktighar, Burdwan.

Debnarayan Halder, Canal Circular Road, Daspara, Calcutta.

Digendra Kumar Chandra, Canal Circular Rd, Daspara, Calcutta.

Durga Charan Mondal & Sons, Nilmony Mittra Rd., Talla, Cal

Fakir Chandra Halder, Diamond Harbour, 24-Pargs

Gaganchandra Das, Sidheswar, Banseswar, Cooch Behar.

Ganesh Chandra Hazra, Saktighar, Burdwan.

Gauri Sankar Samanta, Saktighar, Burdwan.

Golam Mahamad, Galsi, Burdwan.

Golam Md. Mullick, Saktighar, Burdwan

Golam Rabbani Mullick, Saktighar, Burdwan.

Harinarayan Chatterjee, Boichi, Burdwan.

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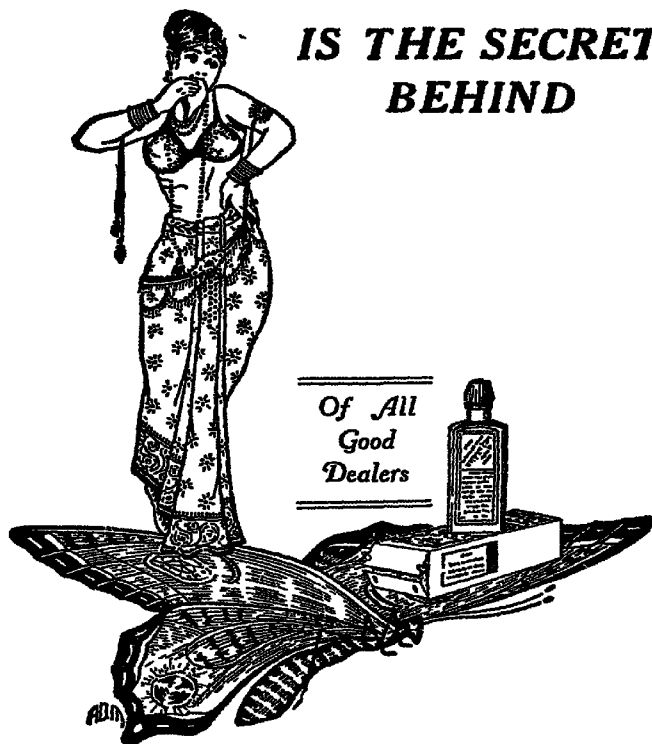
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Ramanad.

Modern Art Studio, Masulipatam

PUNJAB.

Attracto Office, Bazar Purana,
Ludhlana.

Germany Picture House, C. B.
624, Ludhlana.

L. Hirade Ram, Kangra.

SIND.

Ladhasingh Manghasingh, Dak-
han Str., Sukkur, Sind, Br —
Bahru's Padhar, Larkana.

UNITED PROVINCES.

Gur Prasad Hira Lal, Chowk
Allahabad.

N. P. Verma & Sons, Railway
Rd., Kasgunj, Etah.

National Photo Co., Bismaragh,
Muttra (Also Fret Works).

PICTURE FRAME MAKERS.

Bharat Industries Corp Ltd, 88,
Sambhu Halder Ln., Salkia.

Calcutta Art Framing Works,
16-7A, Ashutosh Mukerjee Road,
Bhowanipore, Calcutta.

Dev Chand Devshi Thakur, 148,
Old China Bazar Str., Calcutta

Fotic Lall Seal & Sons, 10,
Swallow Lane, Calcutta

G. Canta & Co., 173, Dharamtala
St., Calcutta

Maharaja Frame Works, Chick-
pet, Bangalore.

May-ya-Dass Durga Dass, Saban
Bazar, Ludhlana. (Glass and
Wooden Frame).

Nibaranchand Sen, Narayanganj,
(Bengal).

Sri Rama Frame Works, Chik-
magalur, Mysore.

Star Art Framing Works, 90, Me-
dows Str., Bombay.

PIECEGOODS DEALERS.

(Also see Cloth Dealers, Cotton Mills and Piecegoods Importers).

BENGAL.

Fool Chand Champalal, Khagra,
Murshidabad.

Kali Pada Kundu, Kumarkhali,
Nadia.

Mangal Chand Kedarbux, Ulipur,
Rangpur.

Ramesh Chandra Dass, Chapl,
Nawabganj, Malda

Sen Brothers, Sarisabari, Mymen-
singh

BIHAR.

Beg Raj Pat Ram, Biratnagar.
Jogbani, Purnea.

Jiwanram Ram Chandra, Bhagal-
pur.

BOMBAY CITY.

Belapore Co., Ltd., Royal Insur-
ance Buildings, Churchgate St.,
Fort, Bombay.

Gibbs Trading Co., 32, Nicol Rd.,
Ballard Estate, Bombay

Harkisandas Manilal & Co.,
Sancho Galli, Mulji Jetha Mar-
ket, Bombay (Cotton Blanket).

BOMBAY PRESIDENCY.

Diwan & Co. Gadag, Dharwar.

N. A. Geria & Son, 1682, Khadia
Main Road, Ahmedabad

CALCUTTA.

Anath Bandhu Radhasyam Saha,
27, Sikdarpara Street, Calcutta

Arnhold & Co., Ltd., 101, Clive
Street, Calcutta.

B. C. Nawn & Bros., 7, Bowbazar
Str., Calcutta.

Hookumchand Jaskaran, 30,
Cotton Street, Calcutta

Indian Textile Co., Great Eastern
Hotel Avenue, Calcutta

Jahar Lal Panna Lall & Co.,
College Str Market, Calcutta

**PICTURE POST CARDS OF ARTISTIC DESIGNS AVAILABLE
AT CALCUTTA COMMERCIAL BUREAU, KALIGHAT, CALCUTTA.**

ORISSA.

Biseswar Basudeo, Marwaripara.
Sambalpur.

N. B. Pujari, Jharuapara, Sambal
pur

Utkal Art Gallery, Balu Bazar.
Chandni Chawk, Cuttack.

PUNJAB.

Journalistic Photo Service, Near
City Policy Station, Gujrat.

Royal Photo Service, Club Road,
Ferozepur.

UNITED PROVINCES.

Chitra Studio, Post Box No. 31,
Meston Road, Cawnpore

Oudh Studio, Kaiserbagh, CIRCUS,
Lucknow.

P. Goswami & Son, Goswami
Bldgs., Gorakhpur.

Photo Gallery, Meston Road,
Cawnpore

PHYSICAL CULTURE ASSOCIATIONS.

Calcutta Physical Association,
40/1, Grey Street, Calcutta.

Correspondence School for Phys-
ical Culture, Bangalore City

Dr A. Rollo, D.N.P., D.S.P.C.,
13, Nicholson Rd., Lahore

Gobar's Gymnasium, 19, Gna
Bagan Street, Calcutta.

Health Culture Institute, Sialkot.
M. V. Krishna Rao, Ootacamund

Modern Scientific Institute,
Gowalmandi, Lahore

National Health Building Society,
Trivandrum

School of Physical Culture, 140,
Dharamtolla St., Calcutta

Sri Krishna Rajendra Yogic
School, & Institute of Physical

Culture, Bangalore.

PICTURE DEALERS.**BENGAL.**

Rajshahi Art Gallery, Rajshahi

BOMBAY CITY.

A. K. Joshi & Co, Kalbadevi Rd.,
Bombay.

Bombay Art Agency, Bombay,
No. 4 (Also Calendars).

Joshi Bros, 133, Bazar Gate St.,
Bombay

Modern Picture Publishers of
India, Claude House, Girgaum

Back Road, Bombay 4

Navalakhi & Co, Kalbadevi Rd.,
Bombay 2.

BOMBAY PRESIDENCY.

Diwan & Co, Gadag, Dharwar Dt.
Fidally N. Villayatwala, Richey

Road, Ahmedabad.

CALCUTTA.

A. Ghose & Sons, 161, Lower
Chitpur Road, Calcutta.

Bombay Framing Works, 27, Free
School St., Calcutta.

B. Singh, 113, Shambhu Chatter-
jee Street, Calcutta.

Calcutta Commercial Bureau,
Kalgat, Cal (Picture Cards).

Calcutta Printing and Pictures
Agency, P.O. Box 6723, Cal-
cutta.

Chaitanya Lal De & Co., 165,
Lower Chitpur Road, Calcutta.

Dej & Co., 2-2 & 2-3, Corporation
St., Calcutta.

Fine Art Gallery, 171, Lower
Chitpur Road, Calcutta.

G. C. Babajee, 173, Lower Chit-
pur Rd., Calcutta.

H. P. Das, C36 & C38, Municipal
Market, Calcutta. (Cards).

H. Paul & Co., 9, Chowringhee,
Calcutta.

Indian Art School, 1, Gangadhar
Babu Lane, Calcutta

M. L. Day & Sons, 83, Bowbazar
Str., Calcutta.

National Art Gallery, 152, Lower
Chitpur Rd., Calcutta.

DELHI.

K. C. Bros, Chowk Rajh, Delhi.

L. Diwan Chand Kooria Mal,
Benarsi Dass Bldg, Sudder

Bazar, Delhi

Photomatic Co., Chandni Chowk,
Delhi

INDIAN STATES.

Khatri Bros, Kuteheri Rd., Bika-
ner.

Muttra Pershad, near Ganga
Mandal, Bharatpur City.

Naran Das & Bros, Kishan Pole
Bazar, P. B. N. 4, Jaipur City.

S. K. Megh Raj, Kapra Bazar,
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School of Art, Jaipur.

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Br —Chandra Chowk, Moolji Jetha Market, Bombay 2; Luxmi Bazar, Cloth Market, Delhi.
Luxmi Cloth Market, Lahore; 4, Noormal Lohia Lane, Calcutta; Anderson Rd., Quetta.
Fashionable Cloth Mfg. Co. of India (Regd.), Ludhiana
M Mohamed Bakshah & Sons, Ludhiana. (Army Clothing).
Rohan Chand Bros., Katra Ahluwalian, Amritsar. (Also Wollen).
S M Ibrahim & Sons, Lal Masjid, Ludhiana. (Also Uniform).

Shub Shankar & Co, Katra Ahluwalian, Amritsar. (Also Yarns).

UNITED PROVINCES.

Badridas Gagaria, General Ganj, Cawnpore.
Fakir Chand Jaini, Kahu Kothi, Cawnpore.
Fateh Chand Jainy & Co, 48-78, Generalganj, Cawnpore.
Gulabrai Mahadeo Pershad, near Kahu Kothi, Cawnpore.
Jawalapershad Radhakrishna, Kahu Kothi, Cawnpore.
L Kesho Nath Khatri, Chank Bazar, Cawnpore.
Naran Brothers, Hata Saurie Singh, Cawnpore
Purushottam Das & Co., Generalgunj, Cawnpore
Ramjilal & Bros., Generalgunj, Cawnpore.

PIECEGOODS IMPORTERS.

Anderson Wright & Co, 22, Strand Rd., Calcutta
Brid & Co., Chartered Bank Bldg., Calcutta
Bombay Co., Ltd., 19, British Indian Street, Calcutta
C. M. Dass Brothers, First Bridge, Srinagar, Kashmir.
Chaitram Khullar & Co., Amritsar.
Diwan & Co, Gadag, Dharwar Dt
Grahams Trading Co, (India), Ltd, 6, Lyons Range, Calcutta.
Hazarimal Hiralal, 148, Cotton St., Calcutta.
Himalayan Musk Depot, 118, Harrison Rd, Cal HO—Nepal
Jethalal Meghji & Sons, Saddar Bazar, Rajkot, Kathiawar.
Kamalalaya Ltd, College Street Market, Calcutta.
Kettlewell Bullen & Co., Ltd., 21, Strand Rd., Calcutta.

Mafatlal Gagalbhai & Sons, 11, Clive Str., Calcutta.
Maniklal Balabhai & Co, 26, Humum St, Fort, Bombay.
Parmanand Asudaram, 21/21A, New Cloth Market, Karachi.
R. S. Kapur & Co, near Town Hall, Amritsar.
Ralli Bros, 16, Hare St, Calcutta
S. H. Badsha Sahib & Co, 52, Angappa Naick St, G. T., Madras.
Shumwell & Bros, (Calcutta) Ltd, Royal Exchange Place, Calcutta.
Sir Sarup Chand Hukum Chand, 30, Clive St., Calcutta
Steiners Ltd, 29, Strand Road, Calcutta
Toyo Menka Kaisha Ltd, 6, Royal Exchange Place, Calcutta
Trikamdas Rowjee & Sons, 52/2, Wellington St, Calcutta

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(Also see Hardware Dealers).

A. N. Hussunally & Co, 28, Strand Road, Calcutta.
Advance Tube Co, 86, Clive St., Calcutta
B N. Kumar & Co, 6, Raja Wood munt Street, Calcutta.
Burn & Co., 12, Mission Row, Calcutta.

C. A. Sumair & Co, Delhi
Debes Chandra Banerjee, 67, Dharamtala Street, Calcutta.
E. Salebhoj & Co, 19, Mangaldas Road, Princess St, Bombay.
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Strand Road, Calcutta.
Keshoram Cotton Mills Ltd, 8,
Royal Exchange Place, Calcutta.
Lakshmichand Bagnath, 31, Cotton
St., Calcutta.
Radha Kisto Dutt & Sons, 125,
Old China Bazar St., Calcutta.
Rameswarlal Dediaj, 180, Hair-
son Road, Calcutta
Roy & Roy, 42, Cornwallis St.,
Manicktola Spur Jn., Calcutta.
S. C. Rockshut & Co, 58, Radha
Bazar Street, Calcutta
S N. Coondoo & Co, 34, 35,
Radha Bazar Street, Calcutta.
Sree Chand Ganesh Dass, 113,
Manohar Das Katra, Calcutta.
Steiners Limited, Mohla House,
29, Strand Rd., Calcutta.

CENTRAL PROVINCES.

Bera Trading Co, Ltd, Amiaoti.

DELHI.

Bansidhar Jaulan & Co. Chandni
Chowk, Delhi.
Bhagatmal & Co, Katra Lachu
Singh, Delhi.
Bhagwan Das Permeshi Das.
Cloth Market, Delhi.
Bombay Co, Ltd., Queen's Road,
Delhi.
Ganesh Das Ishar Das, Katra
Chohan, Delhi.
Jainy Brothers & Co, Kucha
Natwan, Delhi.
L. Raj Narain Khanna & Co.
Chandni Chowk, Delhi
M R. Ramchand & Co, Ltd, Nai
Sarak, Delhi
Parasram Harnandrai, Katia To-
bacco, Delhi.
R S Dwarka Nath & Co, Delhi
Cloth Market, Delhi.
Ram Narain & Co, 145, Kucha
Ghasi Ram, Delhi
Ram Perishad Khanna & Co,
Delhi Cloth Market, Delhi
S Nasir-ud-din, Bellmaran, Delhi.
T J Kishore & Co, Delhi Cloth
Market, Delhi

INDIAN STATES.

Abdur Sakhur & Co, Mattancher-
ri, Cochin.
C M Dass Brothers, 1st Bridge,
Srinagar, Kashmir

Jethalal Meghji & Sons, Saddar
Bazar, Rajkot, Kathiawar.
New Porbandar Piecegoods Trad-
ing Co. Porbandar.

KARACHI.

Buleband Anandram, Cloth Mar-
ket, Karachi.
Gobindram Malkani & Sons,
Govind House, 30, Amul Colony,
Karachi
Grahams Trading Co, Ltd, Mac-
Leod Road, Karachi.
Hasa Singh Lal Singh, New Cloth
Market, Karachi.
Motilal Govindhandas, Cloth Mar-
ket, Karachi.
Russafah Aibhoy Kaimji & Co.
Napier Rd., Karachi
Tekchand Gangaram, Cloth Mar-
ket, Karachi.
Virbhandas Chaimrai, Bombay
Bazar, Karachi

LAHORE.

A K Lal & Co, 35, Temple Rd.
Lahore
B. M K Bakshi & Co, Gillani St.,
Lahore

MADRAS CITY.

C. V Cunniah Chetty & Co.
288, Esplanade, Madras
Chaturbhuya Das Khosal Dass &
Sons, Mint St., Sowcarpet.
Madras
G Cunniah Chetty, Rattan Bazar.
Madras.
Gocol Dass Jumna Dass & Co.
22, China Bazar Rd., Madras.
Hajee Moosa & Co, Godown St.,
Madras
Jum Sait, Ratean Bazar, Madras.
K. Hassaram & Co, 98, Godown
St., Madras.
Krishna & Co, 243, China Bazar
Rd., Madras.
National Stores, Thambu Chetty
St., Madras.

V. Abdul Hakim & C Abdulla
& Co, 6, Godown St., Madras.

MADRAS PRESIDENCY.

G Bhadrappa Setty & Sons,
Munro St, Main Bazar, Ananta-
pur.
Hajee Abdul Rahim & Sons.
Bezawada, Kistna
Kanara Industrial House, Kanka-
nady P.O., Mangalore, S. K
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bakomam

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Malda Cement Industrial Co., English Bazar, Malda.
Raneegunj Pottery Works, Raneegunj, Burdwan.
Utterpara Pottery Works, Utterpara, Hooghly.

BIHAR.

Kumardhubi Fine Clay & Silica Works, Kumardhubi, Manbhum.
N. D. Mukherjee & Bros., Mosachuck, Bhagalpur.

BOMBAY PRESIDENCY.

Diwan & Co., Gadag, Dharwar Dt.
Sorab Dalal Potteries, West View, Khanpur Rd., Ahmedabad.

CALCUTTA.

Banerjee & Co., 7, Swallow Lane, Calcutta.
Behar Firebricks & Potteries Ltd., 3/1, Bankshall St., Calcutta.
Behar Potteries Ltd., 22, Canning Str., Calcutta. H. O. Behar Bank Bldgs, Patna Works—Rupnarainpur. Mg Agents—Pandit & Co.
Bengal Potteries Ltd., 45, Tangra Rd., Calcutta.
Bun & Co., 12, Mission Row, Cal.
Calcutta Cement Pottery Works, 52, Ultadanga Main Rd., Cal.
Hindusthan Potteries Ltd., 20, Strand Road, Calcutta.
Rehance Firebrick & Pottery Co., Ltd., 8, Clive Row, Calcutta.

CENTRAL PROVINCES.

Jubbulpur Pottery Works, Mng. Agents, Burn & Co., Jubbulpore.
Perfect Pottery Co., Ltd., Hannumantal, Jubbulpore.

DELHI.

Delhi Pottery Works, Ltd., Factory Road, Delhi.
Ishwar Pottery Works, P. O. Ishwar Nagar, Delhi.

INDIAN STATES.

Cochin State Pottery Works, Cochin.

Finix Pottery Works Co., Gandevi, Navsari, Baroda.
Government Porcelain Factory, Malleswaram P.O., Bangalore.
Gwalior Potteries Ltd., Lashkar, Gwalior.
Gwalior State Industries, Gwalior.
Indian Pottery Works, Wankanar.
Kanaka Pottery Works, Kumbalangy, Cochin.
Morvi State Pottery Works, Morvi, Kathiawar.
Parsiam Pottery Works Co., Ltd., Morvi, Kathiawar.
Rahim Baksh, Ahmadpur Shukla, Station Dehra Nawah, Bhawalpur State.
Standard Pottery Works, Alwaye, Travancore.
Thomas Stephenson & Co., Ltd., Quilon, Travancore.
Tiles & Pottery Works, Bilumora, Navsari, Baroda.

MADRAS PRESIDENCY.

Commonwealth Ceramic Factory, Jeppore, Mangalore, Kanara.
Standard Tile & Clay Works, Ltd., Feroke, S. Malabar.
Vetcha Ramalingayya Sons, Mng. Agts., Andhra Flame Works, Rajahmundry (Plumbago Crucibles).

N. W. F. PROVINCE.

Lala Bholaram Pottery Works, Peshawar City.

PUNJAB.

Punjab Pottery Works, Ltd., Jhelum. (Screwed Jars, Household & Decorative China Wares etc.).

UNITED PROVINCES.

Anand Trading Agency, Anand Kuti, Chunar, Mirzapur.
Chunar Pottery Works, Chunar, Mirzapur.
J. Tandon & Co., Mirzapore.
Nath Bros., Chunar.
Prem Mahavidyalaya, Brindaban, Muttra.

PRESS NEWS AGENCY.

Associated Press, Ltd., Parliament Rd., New Delhi; 26/7, Dalhousie Sq., Cal., McLeod Rd., Karachi.

Indian Press Cutting Agency, Wazirah Building, Ferozepore.

WESTERN INDIA LIFE INSURANCE CO., LTD., SATARA.
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Shah Rd., Tollygunge, Calcutta

Indian Tube Co., Ltd., Victoria

House, Calcutta

J C Bose & Co., 10, Raja Wood-

munt St., Calcutta.

Katni Cement & Industrial Co.,

Ltd., Laxmi Bldg, Ballard Rd.,

Fort, Bombay.

Kooverji Devshi & Co., Lohar

Street, Bombay.

Kumari Bros & Co., Ltd., 14 & 15,

Raja Woodmunt Str., Calcutta

Laha Bros., 110, College St., Cal

Manick Lal Mullick, 3/1, New

Bowbazar Lane, Calcutta. Br —

Amere Road, Jaipur

Mullick & Co., 40, College Str.,

Calcutta.

N Dutt & Co., Ltd., 39-1, College

St., Calcutta

Nooroodin Shaikadam & Co., 159,

Nagdevi Street, Bombay.

P. B. Shah & Co., 26, Clive Str.,

Calcutta Br.—113, Manohar-

das Chuck & 11/A, Radha Bazar

Lane, Calcutta

Panalal Mohanlal & Co., 156, Nag-

devi Street, Bombay.

R. Waight & Partners, Ltd., 15,

Aurangzeb Road, New Delhi.

S Roy & Co., 35, College Str., Cal

Satish Ch. Kumar, 34, College

Str., Calcutta.

Simplex Concrete Pipes (India)

Ltd., 26/27, Ekbulpore Lane,

Calcutta

Soni, Neogi, Coomai & Co. Ltd.,

39, College Str., Calcutta

Standard Tube Co., 123, Nagdevi

Street, Bombay.

Stewarts & Lloyds Ltd., 6, Victa

11a House, Chowringhee, Cal-

cutta (Tubes)

PLAYING CARDS MANUFACTURERS.

Diamond Playing Card Co., Ltd.,

231, Eden St., Rangoon

Indian Press Ltd., 93, Dharam-

talla St., Calcutta

Leonard Biermans, S. A., 1,

Drapers Lane, Govt. Place East,

Calcutta.

New Popular Press, 57, Simla St.

Calcutta

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St., Calcutta.

Essajee Ebrahimjee & Co.,

Sheikha House, Campbell St.,

Karachi (Furniture Makers)

Lualda Ltd, McLeod & Co., 23,

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P. Thiruvarangiah & Son, 172,

Devaraya Mudali St., Madras

Venesta Box Factory, Kamarhatt,

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DELHI.

Indo European Co., Chandni Chowk, Delhi.

INDIAN STATES.

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 Kathiawar Printers Stores, Rajkot.
 Prem Prakash & Co., Janhari Bazar, Jaipur City.

KARACHI.

International Trading Co, Katrak Bldg, Victoria Rd, Camp Karachi. (Ink).

Rajabali Alibhoy Khokawala, Grant Road, Karachi.

LAHORE.

Diwan Chaud & Sons, Chamberlain Rd, Lahore (Printing ink).
 Gulab Chand Kapur & Sons, Anarkali, Lahore (Ink).
 L. T. Pinto & Sons, Lahore
MADRAS CITY.

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 Norton & Co, 1-16, Baker Thiruvengada Mudali St. Choolai, Madras

Spicers (Export) Ltd., 2, Phillips Street, Broadway, Madras;
 Stronach House, Graham Road, Ballard Estate, Bombay (Ink).
 Sreenivas & Co., 163B, Broadway, Madras. (Printing ink).

UNITED PROVINCES.

Industrial & Commercial Service, 99, Hewett Road, Allahabad.
 Madan Mohan & Sons, Johnston-gunj, Allahabad. (Ink).
 United India Trading Co. 55/7, Generalganj, Cawnpore.

PRINTING PRESSES.**AJMER-MERWARA.**

Ajmer Printing Works, Karraka Chowk, Ajmer.
 Durbar Printing Press, Diggil Bazar, Ajmer.
 Fine Art Printing Press, Srinagar Rd., Ajmer.
 Ganesh Printing Press, Chang Gate, Beawar, Merwara Dt.
 Laxmi Printing Press, Naya Bazar, Ajmer.
 Mahalaxmi Printing Press, Pall Bazar, Beawar, Merwara Dt.
 Rajasthan Printing Press, Outside Chang Gate, Beawar, Merwara.
 Rajputana Printing Press, Jaipur Rd, Ajmer.
 Star Printing Press, Kayastha Mohalla, Ajmer.

ASSAM.

Aruna Press, Gauhati.
 Assam Printing Works, Cally Bldg, Jorhat.
 Assam Printers & Publishers Ltd., Gauhati, Assam.
 Bijoya Press, Dhubri, Assam.
 Laxmi Printing Works, Paltan Bazar, Gauhati.

Sevak Press, P. O. Barpeta, Assam.

BENGAL.

Art Press, Banglabazar, Dacca.
 Banu Press, P.O. Itunda, 24 Parga
 Bijoya Press, Patuatuly Street, Dacca.
 Birbhum Banee Press, Suri, Birbhum
 Harinath Machine Press, Naba Roy's Lane, Dacca
 India Press, Banglabazar, Dacca.
 Kashi Printing Works, Banglabazar, Dacca
 Lalit Chandra Chowdhuri, B.A. Manoharpur, Comilla.
 Manju Press, Dacca.
 Manomohan Press, 90, Nawabpur, Dacca
 Narayan Press, Nawabpur, Dacca.
 Satsang K S. Press, P O Satsang, Pabna.
 Shakha Press, Patuatuly, Dacca.
BIHAR.
 Catholic Press, Ranchi.
 Bihar Publishing House Ltd., Patna
 Catholic Press, Ranchi.
 Chandra Press, Dinapore Cantt.

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Kali Press, Katrasgarh, Manbhum.
Kamala Press, Motihari, Champaran.

Kamal Press, 32, Purani Bazar, Muzaffarpur.

Khadgavilas Press, Patna.

M. P. Press, 12, Grand Square, Dinapore Cantt., Patna.

P. G. Nath & Co., Light Press, Dinapore

Patna Law Press, Patna City.

Saraswati Printing Works, Alish Sirkai Press, Arrah.

Sudama Art Printing Works, Gulzarbagh, Patna

T. P. Shaw & Co., Imlital, 8 Bazar, Dinapore, Patna

Vidyasagar Press, Burma Bldgs. Block "D" Muzaffarpur.

BOMBAY CITY.

Agarwal Printing Press, 280, Carnac Road, Bombay.

Appeal Printing Press, Tamarind Lane, Fort, Bombay.

✓ Balloji Fine Art Litho Press, Tardeo, Bombay.

✓ Bolton Fine Art Offset Works, Bombay.

Bombay Chronicle Press, Red Bldg., Parsi Bazar Str., Fort, Bombay

✓ Bombay Fine Art Litho Works, Sussex Road, Post Parel, Bombay 12.

Bombay Hebrew Publishing & Printing Press, Alarakhia Bldg., Haines Road, Jacob Circle, Bombay No. 11.

Caxton Press, Freie Road, Bombay.

Crow Electric Printing Works, 111, Esplanade Rd., Bombay.

✓ Dnyan Sagar Litho Press, Girgaum, Bombay.

G. Claridge & Co., Fries Rd., Bombay.

India Printing Works, 9, Bake House Lane, Fort, Bombay.

Jam-e-Jamshed Printing Press, Ballard House, Mangalore St., Bombay.

Karnatak Printing Press, 318-A, Thakurdwar, Bombay.

Kothari Printing Works, Sambaya Chambers, Sir Phirozsha Mehta Rd., Fort, Bombay

Krishna Press, Jackeria Bunder, Sewree, Bombay.

M. Vadilal & Co., Govind Bldg., Princess St., Bombay 2.

✓ Model Paper Printing Works, Cawasji Patel St., Bombay.

New Lakshmi Printing Press, Gaya Bldg., Masjid Bunder Rd., Bombay.

✓ Premier Art Printing Works, near Hongkong Bldg., Fort, Bombay.

Presidency Printing Press, Fort, Bombay.

✓ Ravi Fine Art Litho Press, Kalbadevi Rd., Bombay.

Ravi Udaya & Vijaya Fine Art Litho Works, Ghatkopar, Near Bombay

Sanj Vartaman Press, Peraj Bldg., 16, British Hotel Lane, Apollo Str., Fort, Bombay.

Saurashtra Ltd., C/o The States People Ltd., 139, Meadows St., Fort, Bombay.

Shri Krishna Arts Litho Press, Girgaon Rd., Bombay.

Taj Printing Works, 126, Cawasji Patel Street, Fort Bombay

Turf Printing Works, 31, Tribhuvan Road, Bombay 4

Vaidya Bros. Press, Naojee St., Thakurdwar, Bombay 2

Vakil & Sons, Printers, Narandas Bldg., Ballard Estate, Bombay

Zenith Litho Works, 106-108, Meadows Street, Fort, Bombay.

BOMBAY PRESIDENCY.

Aiya Sanskrit Press, Tilak Road, Poona 2

Aryabhushan & Dnyanprakash Press, 915/1, Bhamburda Peth, Poona 4. Manager V. H. Barve.

Chitashala Steam Press, Poona

Deccan Printing Works, 609, Sadashiv Peth, Poona 2,

Deshi Mitra Press, Lunda Chowk, Surat.

Gramodaya Electrical Printing Press, Navadara, Broach

Harilal Press, 483, Shanwar, Poona 2.

Honest Printing, Ghee Kanta Rd., Ahmedabad

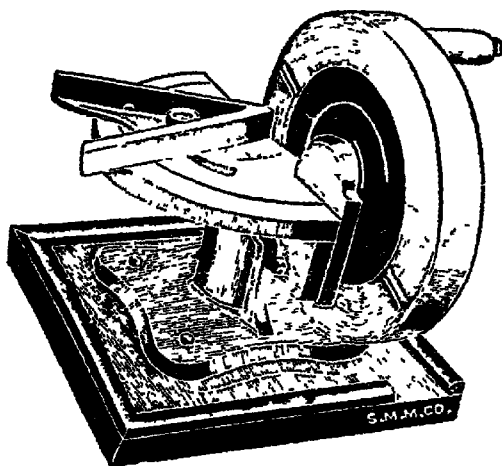
Kalaparakash P Press, Tilak Rd., Malegaon, Nasik.

Lokasamgraha Press, 624, Sadashivpet, Poona City

Maharashtra Litho Press, Sadashiv Peth, Poona 2.

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ANGLE AND CORNER CUTTER

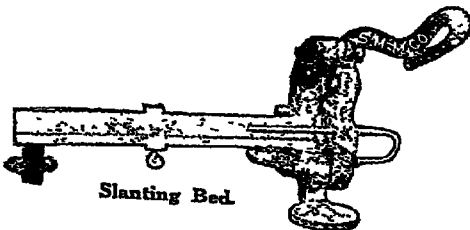
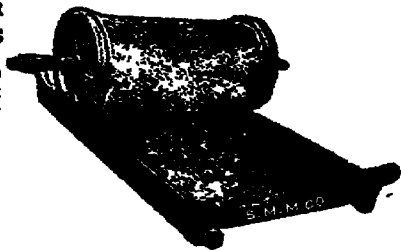
Printers like to have the joints of borders, triangles, squares, oblong, in perfect order without any gaps. This machine will serve them in every way. It will cut Lino Slugs, borders, brass rules, leads etc. It is strongly built. There are no troublesome parts. The knives are made of the best tool steel, and in addition, the machine carries angular graduation on the semi circular bed.

Price Rs. 40/-

CYLINDER OR ROLLER GALLEY PROOF PRESS

The cylinder is covered with blanket and is of ample weight for good impression without any fault. It travels on adjustable runner rails and so can be worked by a boy without any exhaustion.

Size of bed 18" x 32" Rs. 145
" 16" x 26" Rs. 130



Slanting Bed.

LEAD & RULE CUTTER

This is a most useful machine for cutting leads and rules. It is thoroughly well built and finished as the higher-priced machines. The bed is accurately graduated to 12 pt 'Ems and lengths.

Prices:—With 'Em graduation Rs. 25/-, Without Graduation Rs. 22/-.

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- Clive Press, 14, Old Court House Lane, Calcutta.
- Clyde Printing Works, 7, Waterloo Str., Calcutta.
- Cornthian Press, 2, Swallow Lane, Calcutta.
- D. C. Chunder & Co, 42-1, Bowbazar St., Calcutta. (Litho).
- D. P. G. & Sons, 5, Swallow Lane, Calcutta.
- Dass Bros. Printing Works, 87, Durga Charan Mitter Street Calcutta. (Colour Printers).
- Desha Darpan, 48, Chakraberia Road, Bhowanipur, Calcutta
- Diamond Press, 79A, Durga Charan Mitter Str., Calcutta
- Eagle Lithographic Works, 26, Christopher Rd., Entally, Cal.
- Eastern Printing House, 3, Surendra Nath Banerjee Road, Calcutta.
- Eastern Trading Agency, 14/2, Old Chinabazar Str., Calcutta.
- Elm Press, Beadon Str., Calcutta
- Emerald Engineering Co., 1/2, Moti Sil Street, Calcutta
- Eton Press, 98/1, Clive Street, Calcutta
- Excelsior Art Press, 1, Mandir Str., Calcutta.
- Exchange Mission Press, 5, Mission Row, Calcutta
- Fine Art Press, 17, Beadon St., Calcutta
- Fine Printing Works, 43A, Nimtolla Street, Calcutta.
- G. S. R. Syndicate, 19, Dum Dum Road, Calcutta.
- Gaya Art Press, 69, Mechua Bazar St., Calcutta
- General Printing Works, 83, Old China Bazar Str., Calcutta
- Gordon & Co, 106, Narkeldanga Main Road, Calcutta
- Hitaishi Press, 136, Ashutosh Mukherjee Rd., Bhowanipur, Cal.
- I. S. S. D., Chittaranjan Avenue, South, Calcutta
- Imperial Art Cottage, 1/A, Tagore Castle St., Calcutta (Also Litho).
- Indian Photo Engraving Co., 217, Cornwallis St., Calcutta.
- Indian Press Ltd., 93A, Dharamtala St., Cal (Also Litho)
- Indranayan Press, 15, Ray Bagan Str., Calcutta
- Industrial Press, 1B, Swallow Lane, Calcutta.
- Industry Press, Keshub Bhaban, 22, R. G. Kar Road, Calcutta.
- Jawahir Printing Works, 161/1, Harrison Rd., Calcutta
- Jaya Narayan Press, 11D, Arpuh Lane, Calcutta.
- Kali Press, 60/1, Harrison Road, Calcutta.
- Kali Tara Press, 16, Townshend Road, Kalighat, Calcutta
- Kalika Press, P40, Manicktolla Spur, Calcutta
- Kanai Press, 1C, Swallow Lane, Calcutta.
- Karim Bux Bros., 9, Anthony Bagan Lane, Calcutta.
- Katyayani Press, 39/1, Shibnaryan Das Lane, Calcutta
- King Half Tone Press, 172, Bowbazar Street, Calcutta
- Kohinoor Press, 108, Amheist Str., Calcutta
- Lakshmi Printing Works, 370/5A, Upper Chitpore Road, Calcutta.
- Lakshmbilas Studio & Press, 14, Jagannath Dutt St., Calcutta.
- Lal Chand & Sons, 76, Lower Circular Rd., Calcutta.
- Lalit Press, 81, Simla Street, Cal.
- Little Flower Press, 146, Bowbazar Str., Calcutta
- Lotus Press, 116, Bowbazar Str., Calcutta.
- M. C. Hayon & Co's Press, 5, Maquis Street, Calcutta.
- Maeson Press, 216, Cornwallis St., Calcutta.
- Madan Mohan Press, 1A, Hogg Str., Calcutta.
- Manasi Press, 77, Hail Ghosh Str., Calcutta.
- Metcalfe Press, 9, Raja Gurudas Str., Calcutta
- Metropolitan Prt & Pub. House, Ltd., 90, Lower Circular Road, Calcutta.
- Mitra Press, 45, Grey St., Calcutta
- Model & Multicolour Printing Works, Sootarkins Lane, Cal
- Model Litho & Printing Works, 66-1A, Bantakkhana Rd., Cal
- Modern Art Press, 1-3, Durga Pithuri Lane, Calcutta
- Mohammadi Press, 81, Upper Circular Road, Calcutta

INSURE WITH SHREE LIFE ASSURANCE COMPANY, LIMITED,
6-10, DEAN LANE, BOMBAY, 1.

Mehta Printing Works, Unjha.
Prop.—Mehta Viljal Mulchand & Co.

Modeshvar Printing Press, Buran-
puri Bhagol, Surat.

Muslim Gujrat Press, Bagatalao,
Surat.

Pratap Printing Press, Kanpith
Bazar, Surat.

Sree Narayan Printing Press,
Opp. P. Dhanjibhai's Factory,
Ahmedabad.

Suryaprakash Printing Works,
Pankore Naka, Ahmedabad.

Swatantra Printing Press, Bazar,
Bulsar, Surat.

CALCUTTA.

Abinas Press, 40, Mirzapur Street,
Calcutta.

Ajanta Printing Works, 7, Mutal-
dhar Sen Lane, Calcutta.

Alexandra Printing Works, 27,
College Street, Calcutta

Altaf Press, 33, Baniapukur Road,
Calcutta

Amrita Bazar Patrika Press, 6,
Ananada Chatterjee Lane, Cal.

Ananda Press, 1, Buiman Street,
Calcutta

Art Press, 20, British Indian St.
Calcutta

Aryan Press, 54, Radha Bazar St.
Calcutta.

Associated Traders Ltd, 5, Ezra
Street, Calcutta

Atlas Printing & Advt Co, 8/3,
Canal St, Entally, Calcutta.

Atul Printing Works, 80, Radha
Bazar St, Calcutta

Aubhoy Bros. & Co., 7, Radha
Bazar Lane, Calcutta.

Auroa Press, 13/3, Pathuila-
ghatta Str, Calcutta.

B L Press, 87, Cross St., Cal-
cutta.

B. P M's Press, 22/5B, Jhama-
pukur Lane, Calcutta.

Bani Press, 16, Hemendra Sen
Street, Calcutta.

Baptist Mission Press, 41, Lower
Circular Rd, Calcutta.

Basumati Press, 166, Bow Bazar
Str, Calcutta.

Bengal Art Press, 41, Sikdar
Bagan Street, Calcutta.

Bengal Autotype Co, 213, Corn-
wallis Street, Calcutta.

Bengal Litho Press, 1, Wellington
Sq., Calcutta

Bharat Printing Works, 25/A,
Swallow Lane, Calcutta

Bharatvarsa Printing Works,
203-1-1, Cornwallis St, Calcutta.

Bhowanipuri Art Press, 82A, Ashu-
tosh Mukherjee Road, Calcutta

Bhowanipore Press, 39, Ashutosh
Mukherji Rd, Calcutta

Bijoya Press, 76, Bentinck Street,
Calcutta.

Biswanath National Press, 30,
Banastolla St, Calcutta

Bombay Fine Art Printing Works,
56-1, Canning Str., Calcutta.

Bramha Mission Press, 211/1,
Cornwallis Street, Calcutta.

Byabosa-O-Banijya Press, 9/3,
Ramanath Majumdar St., Cal

Calcutta Chromotype Ltd, 1,
Gibson Lane, Calcutta. (Also

Litho).

Calcutta Corporation Press, 5,
Surendra Banerjee Road, Cal.

Calcutta Art Printers, 11, Welles-
ley Street, Calcutta

Calcutta General Printing Co.
Ltd. (Edinburgh Press), 300,

Bowbazar St., Calcutta.

Calcutta Job Press, 103/C, Suren-
dra Banerjee Road, Calcutta.

Calcutta Oriental Press, 9, Pan-
chanan Ghose Lane, Calcutta

Calcutta Posters & Publicity Co,
54, Bentinck Street, Calcutta

(Also Lithographers).

Calcutta Printing Co, Ltd, 76,
Dharamtola St, Calcutta.

Caledonian Printing Works, 3,
Wellesley Place, Calcutta.

Campbell Printing Works, 1,
Lyons Range, Calcutta

Catholic Orphan Press, Portu-
guese Church Str, Calcutta

Chowringhee Art Press, 170, Bow-
bazar St, Calcutta.

City Press, 9, Strand Road, Cal

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Sreepati Press, 14, D L. Ray Str, Calcutta
 Sri Krishna Printing Works, 259, Upper Chitpur Rd., Calcutta
 Sri Ram Press, 162, Bowbazar Str, Calcutta
 Statesman Press, Chowringhee Square, Calcutta
 Stai Printing Works, 30/A, Shib Narain Das Lane, Calcutta.
 Tandan Printing Works, 7, Well-lesley St., Calcutta
 Temple Press, 2, Nayaiaatna Lane, Calcutta.
 Thacker's Press & Dnectories, 6, Bentinck Str., Calcutta
 Umashanker Press, 12, Gouri Mohan Mukherjee Street, Cal
 Union Press, 85, Bow Bazar Str, Calcutta
 Unique Press, 22, Fordyce Lane, Calcutta
 United Press, 29, Grey St., Cal.
 Universal Printing Works, 74, Durga Ch Mittra St., Calcutta.
 University Press, Senate House, Calcutta.
 Usha Press, 74, Dharramtola Str. Calcutta.
 Venus Printing Works, 52/7, Bow Bazar Str, Calcutta.
 Vishwanath National Press, 30, Banstolla St., Calcutta
 Weekly Notes Printing Press, 59, Elliot Road, Calcutta
 Wellington Printing Works, 10, Haladhur Bordhan's Lane, Bowbazar, Calcutta.
 Western Trading Corporation, 49, Lower Circular Rd., Calcutta.
 Winchester Press, 5, Mangoe Lane, Calcutta.
CENTRAL PROVINCES.
 Commercial Press, Dhantoli, Nagpur.
 Kalika Printing Press, Mahal, Nagpur City
 Maharastia Press, Fadnis Pura. Cir. No. 7, Nagpur City.
 Marwadi Press, Jumna Talao, Nagpur City.
 Nagpur Press, 10, Ordinance Lanes Nagpur.
 Narbada Press, Jabulpore.
 Shree Bhagabat Singhjee Electric Litho Printing Press, Gondal
 Shubh Chintak Press, Near City Kotwali, Jabulpore.

Singhai Printing Press, Kamanta Gate, Jabulpore.
 Sri Krishna Printing Press, Taj-napeth, Akola

DELHI.

Aijun Printing Press, Burn Bastian Road, Delhi.
 Baluja Press, Fatahpuri, Delhi.
 Bhargava Phototype Printing Works & Laxmi Press, Dariba, Delhi
 Delhi Photo Type Press, Chandni Chowk, Delhi.
 Delhi Printing Works, Chaori Bazar, Delhi.
 Imperial Printing Press, Chandni Chowk, Delhi.
 Jayeed Printing Press, Katia Alam Beg, Delhi.
 National Press, Nai Wara Street, Delhi
 National Journals Press, Mori Gate, Delhi.
 Punjabi Press, Sadar Bazar, Delhi.
 Sripal Press, Chandni Chowk, Delhi
 Statesman Press, 29, Bara Khumba Road, Delhi
 Tej Printing Press, Burn Bastian Road, Delhi.

INDIAN STATES.

Ashok Printery, Cinema Sursagar Road, Baroda
 Athurampuzha Printing & Publishing Co Ltd, Athirampuzha, Travancore
 Bangalore Press, Lake View, Mysore Rd., Bangalore City.
 Bangalore Printing & Publishing Co Ltd., Bangalore City.
 nur, Travancore.
 Broca's Artistic Electric Press, 1st Bridge, Srinagar.
 Daiba Press, Ghogar, Rewa
 Diamond Printing Press, Yeshwant Bazar, Indore.
 G H House Press, Varajendrapet, Coorg.
 Gopalaker Printing Works, Raykot, Kathuwar. (Also Stationers).
 Government Printing Press, Bangalore City.
 H. P Printing Press, Chhota Gwaltoh, Indore.
 Industrial Press, Attungal P O. Travancore

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Jaipur Printing Works, Chaura Rasta, Jaipur City.
 Kathiawar Printing Works, Rajkot, Kathiawar.
 Kathuraj Printing Press, Anand Bhuvan, Jetpur, Kathiawar.
 Kohinoor Press, Jogenmohan Palace Road, Mysore.
 Laxmi Printing Works, Sayyaji Rd., Lansdowne Bldg., Mysore.
 Madhyabharat Hindi Sahitya Samity Printing Press, Bosanquet Rd., Indore.
 Makkala Pusthaka Press, Bangalore City.
 Malankara Standard Press Ltd., Thiruvalla, Travancore.
 Malleswaram Printing Press, 66, Sampige Road, Malleswaram, Bangalore.
 Manidhar Printing Press, Samal Bechar's Pole, Baroda.
 Manohar Printing Works, Pipalia Bazar, Beawar, (Rajputana).
 Modi Power Printing Press, Bangalore City.
 Mysore Residency Press, 1, Infantry Road, Bangalore Cantt.
 Nabha Steam Press, Hospital Rd., Nabha.
 Nadirsha H Belgumvalla Press Factory, Davangere, Chitaldrug.
 Piem Prakash Press, Gopalika-Rasta, Jaipur City.
 Ramchander Balabakhsh, Sambar Lake, Rajputana.
 Royal Printing Press, Yeshwant Bazar, Indore.
 Sethia Jain Printing Press, A. C. B. Sethia Bldg., Bikaner.
 Shree Bhagatshinhi Electric Latho & Printing Press, Gondal, Kathiawar.
 Shree Sharada Latho Press, Shimoga. Br: Rangaswami Temple St., Cross, Bangalore.
 Sri Krishna Press, Lansdowne Bazar, Mysore.
 Srinivas Electric Press, Lansdowne Bldgs., Mysore.
 Suvarna Praba Press, Alwaye, Travancore.
 Times Press, Amrakadal, Srinagar, Kashmir.
 Udaya Art Printing Press, Jodhpur.
 Vakli Bros., Printing Press, Kothi Pole, Baroda.

Venkateswar Press, Lansdowne Bazar, Mysore.
 Viswakarnataka Press, Bangalore.
 Wesleyan Mission Press, Mysore.
KARACHI.
 Daily Gazette Press Ltd., Carlton House, Kutchery Rd., Karachi.
 Kohinoor Printing Works, Bunder Road, Karachi.
 Sind Samachar Press, Nanak wada, Karachi.
 Union Press, Ltd., Elphinstone Street, Karachi.
LAHORE.
 Amrit Electric Press, Rly. Road, Lahore.
 Arobans Press, Anarkali, Lahore.
 Bhusan Press, MacLagan Road, Lahore.
 Jaura Educational Press, University Road, Lahore.
 Kapur Art Printing Works, 1, Abbot Road, Lahore.
 Lion Press, Hospital Road, Lahore.
 Medical & Military Printing Works, 17, MacLagan Rd. Lahore.
 Mercantile Press, Chamberlain Road, Lahore.
 Model Electric Press, 5, McLeod Rd., P. O. Box 43, Lahore.
 Rafah-i-am Steam Press, Sheranwala Gate, Lahore.
 Rai Sahib M. Gulab Singh & Sons, Mufid-i-am Singh & Sons, Mufid-i-am Press, Mohanlal Rd. Lahore.
 Shamsher Press, Ganga Ashram Bldg, Ravi Road, Lahore.
 Times Press, Lahore.
MADRAS CITY.
 All-India Printg Works, 19, Venkatachella Mudaly St., Madras.
 Ananda Press, Stringer's Street, Madras.
 Aurora Press, Davidson Street, Madras.
 Associated Printers, 165, Mount Road, Madras.
 Bharathi Press, 1-19, Alathur Achary Street, Chalai, Madras.
 Carlton Press, 35, Chinatambi St., Madras.
 City Printing Works, 119A, High Road, Royapettah, Madras.
 Diocesan Press, P. O. Box 455, Vepery, Madras.

The Great Home Life Assurance Co. Ltd. (Bombay). Chief Agents for Bengal, Assam & Orissa, Biswas & Co., 20, Lal Bazar St., Calcutta.

Everyman's Press, 1, McLean St., Broadway, Madras.
 India Printing Works, Sunkuma Chetty St., Madras.
 International Printing Works, 9, Stringers Street, Madras.
 Kalvi Pragasam Press, Triplicane High Road, Madras.
 Kesari Printing Works, Madras.
 Laurel Press, 255, Thambu Chetty Street, Madras.
 Mercantile Press, Chamberlain Road, Lahore.
 Model Press, Park Town, Madras.
 Monoranjani Press, 2, Ramanuja Iyer St., Madras.
 National Press, 100, Mount Road, Madras.
 Publicity Press, 1/10, Stringers Street, Madras.
 Progressive Printers, 2-17, Coral Merchant St., Madras.
 Royal Printing Works, 2-11, Mount Road, Madras.
 Standard Press, 765, High Road, Triplicane, Madras.
 V Ramaswamy Sastrulu & Sons, 292, Esplanade, Madras.
 Vaman Press, 31, Broadway, Madras.
 Vasanta Press, Adyar, Chingleput, Madras.

MADRAS PRESIDENCY.

A B S. Press, Vizagapatam.
 Abbas Printing Works, Chunnammear St., Vellore, N Arcot.
 Ananda Press, Mandy St., Erode.
 Bala Saraswati Press, Bezvada, Kistna.
 Bombay Calendar Publishing Co., Bellary. (Calendar Printers)
 C. M. V. Press, 197, East Veli Street, Madras.
 Central Press, Fisher Street, Erode.
 Central Press Syndicate Ltd, 89, 90, Thukkampalaya St., Kumbakonam.
 City Press, Mangalore, S Kanara.
 Dharam Prakash Press, Mangalore, S. Kanara.
 Edward Press, Cannanore.
 Hindu Press, Masulipatam.
 Imperial Art Press, Town Street, Narsapur.
 Imperial Press, West Avani St., Madras.

Jayam & Co., Sivaganga, Ramnad.
 Kanara Printing Works, Mangalore, S. Kanara.
 Kanyaka Press, Guntur.
 Kodivalbail Press, Mangalore.
 Lakshmi Press, Post Office Road, Tenali.
 Manika Vilas Press, near Mariammam Temple, Periyakulam, Madras.
 Nadar Press Ltd., South Street, Sivakasi, Ramnad.
 P. Munirathnam Naidu & Sons, Vellore, N Arcot.
 Radha Krishna Press, Ellore.
 Saraswathi Printing Works, Ltd., Bangalore Road, Bellary.
 Saraswathi Vilasa Machine Press, Paramakedi.
 Saraswati Printing Works, Mangalore, S Kanara.
 Sree Menamlinga Press, South Bank, Periyakulam, Madras.
 Sree Rama Press, Main Road, Vizagapatam.
 Sri Krishna Press, Palkote, Udipi.
 Sri Krishna Vilas Press, Conjeeveram.
 Sri Panduranga Press, Ellore.
 Sri Vani Vilas Press, Fort, Erode, Coimbatore.
 Standard Press, 120, Mandy St., Vellore, N Arcot.
 Sudarsana Press, L. Conjeeveram.
 Tower Press, Ellore, W. Godavary.
 Town Press, Conjeeveram.
 United Press, Conjeeveram.
 United Press & Trading Co., Coonoor, R S, Nilgiris.
 V N Press, Officers' Lines, Vellore, N. Arcot.
 Vani Press, Bezvada, Kistna.

N. W. F. PROVINCE.

Abbott Press, Wilde Road, Abbottabad.
 Anzul Malik Press, Sath Mamooji Bldg., Abbottabad.
 Commercial Steam Press, Bannu.
 Hazara Press, Kashmir Motor House Bldg., Abbottabad.
 Parkash Printing Press, Bannu.
 Royal Press, Kohat.
ORISSA.
 Arunodaya Press, Balu Bazar, Cuttack.

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 Chandrodaya Press, Balu Bazar,
 Cuttack.
 Dutt Press, Balu Bazar, Cuttack.
 Fraser Printing & Publishing Co.,
 Ltd., Patnaikpara, Sambalpur.
 Lakshmi Narayan Press, Kazi
 Bazar, Cuttack.
 Man Mohan Press, Chandni
 Chowk, Cuttack.
 Mukur Press, Sahebabadbazar,
 Cuttack.
 Orissa Mission Press, Mission Rd.,
 Cuttack.
 Royal Press, Berhampur, Ganjam
 Satyabadi Press, Nimchauri,
 Cuttack.
 Saraswata Press, Darghabazar,
 Cuttack.
 Tatwanidhi Press, Aska, Ganjam.
 Utkal Sahitya Press, Kaligali,
 Cuttack.

PUNJAB.

Amar Nath & Bros, Ferozepur.
 Arjun Press, Gujranwala, Punjab
 Frontier Exchange Press, Mas-
 sey Street, Rawalpindi.
 Model Art Press, The Mall,
 Simla.
 Narindra Steam Press, Lyallpore.
 Printers Ltd, Ambala
 Public Steam Press, Ferozepur
 City.
 Saiyickjee Printing Press, Katra
 Ramgarhian, Amritsar.
 Sewak Press, Hissar.
 United Press, Sialkot City.
 Vicram Printing Press, Mohalla
 Sultanwala, Jhang, Punjab.

UNITED PROVINCES.

Aftab Press, Rakabgunj, Fyzabad
 Agarwal Press, Rawatpara, Agra.
 Agarwal Press, Muttra.
 Agra Samachar Press, Chhipitola,
 Agra.
 Al Bashir Press, Urdoo Mohalla,
 Etawah.
 Arya Bansal Press, Chhipitola,
 Agra.
 Arya Bhaskar Press, Maithan,
 Agra.
 Bharat Printing Press, Dube-ka-
 Parao, Aligarh.
 Bhaskar Press, Dehra Dun.
 Brij Kishore Press, Civil Lines,
 Fyzabad.

City Press, Meston Road, Cawn-
 pore.
 Coronation Press, P. O. Box No
 57, Pilikothi, Cawnpore
 Daipan Press, Sarfa Bazar, Fazil-
 ka.
 Dehra Times Press, Dehra Dun
 District Gazette Press, Jatpura,
 Etawah, U. P.
 Durga Printing Works, Kokamal
 Market, Rawatpara, Agra
 Educational Press, Bankey Vilas,
 City Station Road, Agra
 Fine Art Press, Johri Bazar, Agra.
 Ganesh Press, Panch Pir Ki
 Gali, Muttra.
 Garhwali Press, Dehra Dun
 Gita Press, Gorakhpur.
 Gokul Press, Sasni Darwaza,
 Hathras
 Goorkha Press, Dehra Dun
 Hindustani Dawakhana Printing
 Press, Muttra.
 Imperial Press, Hospital Road,
 Dehra Dun.
 Indian Press, Allahabad
 Jain Press, Roshen Mohalla, Agra.
 Job Press, The Mall, Cawnpore
 Jumna Printing Works, Muttra.
 Kanti Press, Maithan, Agra.
 Khanna Press, Cawnpore
 Kishor Press, Pilibhit Rd., Ba-
 reilly.
 L. P. Nagar and Co, Muttra
 Leader Press, Leader Road, Alla-
 habad
 Liverpool Press, 16, Thornhill
 Rd., Allahabad.
 Mahavir & Co., Johri Bazar, Agra.
 Mahesh Press, Etah
 Merchant Press, Raiganj, Cawn-
 pore
 Minerva Press, The Mall, Opp
 Queen's Statue, Cawnpore
 Mitra Press, Rajaganj, Etawah
 Mohan Printing Press, Khai Dora,
 Aligarh.
 Mukhbir-i-Alam Press, Shidisara,
 Moradabad.
 Mussoorie Printing Press, The
 Mall, Mussooree
 National Press, Katra, Allahabad.
 National Printing House, Khair
 Nagar Gate, Meerut, U. P.
 Newal Kishore Press, Huzratgunj,
 Lucknow.

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 Oankar Press, Pili-kothi, Cawn-
 pore.
 Paibhat Printing Cottage, Bazar
 Pandey, Azamgarh.
 Puishottam Printing Press, 67,
 Narain Street, Muttra
 Ramchand Printing Press, Sasni
 Gate, Hathras.
 Rameshwar Printing Press, Dube-
 ka-Parao, Aligarh
 Sainik Press, Kasairat Bazar,
 Agra.
 Scottish Press, Bazar Muzaffar

Khan, Agra.
 Shanti Press, 12, Bank Rd., Alla-
 habad.
 Shanti Press, Fatehgarh
 Star Press, Mall Rd., Cawnpore.
 Star Printing Press, La-Touche
 Road, Lucknow.
 Sudershan Press, Etah, U. P.
 Sudha Varshak Press, Khirni
 Gate, Aligarh, U. P.
 Verman Press, Shah Fir Gate,
 Meerut City.
 Zaw Printing Press, Rakabgunj,
 Lucknow.

PRODUCE MERCHANTS.

ASSAM.

Chunilal Puanmali, Gauhati,
 (Onion).
 Dasuam Mirzamull, Gauhati.
 Ram Chandra Sew Dutt Roy,
 Gauhati.

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Kaviraj Goswami's Ayurvedic
 Pharmacy, Malda. B. Calcutta
 and Benares (Lotus Honey).
 Krishnamohan Ramdayal Saha,
 Kapuria Patti, Comilla
 Mohadeo Lal Agarwalla, Golap-
 nagore, Damukdia, Nadia,
 (Turmeric).
 Mohammed Kismatulla Mirdha,
 Madhynagar, Rajshahi (Onion).
 Ram Nath Shaha, Dayrampur,
 Rajshahi.
 Ramdayal Matobber, Chamadho-
 pur, Faridpur. (Onion)
 Satya Kinkar Saha, Faridpur
 Tarachand Behari, Melanda Bazar,
 Mymensingh, (Garlic)

BIHAR.

Banarsi Prosad Nathmal Didwa-
 nia, 6, Todarmal Lane, Suja-
 gunj, Bhagalpur City
 Bhattanlal Dhoni, Kishanganj,
 Purnea (Turmeric Exporters).
 Bihar Grain Supply Co., Dinapur
 Cantt. (Oats).
 Ram Chander Debidutt, Bettiah,
 Champaran.

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Bombay Hing Supplying Co.,
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 Dada Abha, 425, Duncan Road,
 Bombay (onion & Potato).
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 Street, Fort, Bombay. (Hemp).

Fazalbhoy Hajee Cassum & Co.,
 Kersasp Building, Dongre Str.,
 Bombay 9
 Hardcastle Waud & Co., Ltd.,
 Alice Bldgs, Hornby Road,
 Fort, Bombay.
 Koonpal Hemraj, Damar Lane,
 Gamdevi, Bombay.
 Lakhmichand Vasani & Co., 225-
 227, Samuel St., Bombay.
 (Spices).
 Meman Kasani Haji Ebhrum,
 Nallabazar, Kadia Mohalla,
 Shop No. 193, Bombay 9.
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 Bombay (Onion).
 Navnitlal Sawlal, Modi Bazar,
 64, Kazi Syed St., Bombay.
 Oomarsee Kesowjee & Co., Post
 Box No. 1, Bombay. Head
 Office—Cannanore Br—Cal-
 cut, Tellicherry & Mangalore.
 Rashid Jamshed Sons & Co.,
 Kariana Bazar, Mandvi, Bom-
 bay. (Asafoetida).
 Ruttonji Shapurji Tata & Co., 232-
 234, Vadgadi, Mandvi, Bombay
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 Sorabji Nowroji & Co., 121, Kazi
 Syed Street, Mandvi, Bombay.
 (Sandal Wood).
 V Bhasker & Co., 28, Modi Bazar,
 Mandvi, Bombay 3
 W T Suren, Navsari Chambers,
 Outram Road, Fort, Bombay.

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 Premier Food Products Co., Ltd., Thalakovadi, Belgaum
 Rambhoy Kasibhoy, 855, Sachapi, Poona Camp
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 Shah Kesaratamal Pannalal, P O Chinchwad, Poona
 Shambhuprasad P Trivedi, Kapadwanj, Kaira. (Castor Seeds).
 Tribhuvandas Dwarakadas Dangarwalla, Bunder Road, Bioach
 Zinalal Narandasa, Bazar, Cambay, Kaira

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 Anukul Chandra Saha & Co, 45, Manick Bose Ghat St., Calcutta.
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 Gram Supply Co, 3, Moti Sil's St, Chowringhee, Calcutta
 Haradhone Ghosh, 231, Darmahatta Street, Calcutta (Potato)
 Himalayan Musk Depot, 118, Harrison Rd, Cal H O—Nepal
 Indian Produce Trading Co., 137, Canning Street, Calcutta
 Jaydial Kasera & Co, 2, Royal Exchange Place, Calcutta
 Kali Mohan Bhowmuck, 231, Darmahatta St. Cal. (Potato)
 Kassim & Ismael, 5-2, Gaistin Place, Calcutta.
 Lal Mohan Chakraverty, 6/17, Cosapur Road, Calcutta
 Mohandas Chandradas Nepal, 96, Harrison Road, Cal (Musk)
 Nepal Himalayan Musk Depot, 96, Harrison Road, Calcutta
 Nibaran Chandra Das, 231, Darmahatta Str. Cal (Potato).
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 Sil & Co, Room No. 119, Tiretta Bazar, Cal (Tiger's fat).

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 Owen Roberts & Co. Ltd., Hall Road, Lahore.

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R. Mahadeva Pillai, Pondicherry, (Gingelly Seeds).

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Tibbat Musk Depot, Ludhiana.
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S. S. Hogg Market, Calcutta
M. Young & Co., 8, Municipal
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Rup Chand Uttam Chand, Phatak
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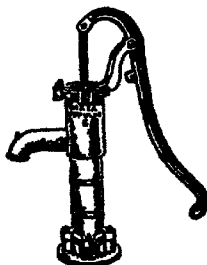
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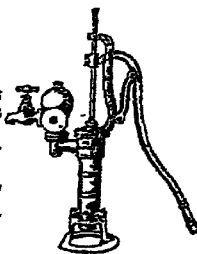
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loo St., Calcutta

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West, Calcutta

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cutta

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 J. N. Chatterjee & Sons, 18, Chatterjee Paia Lane. Salkia, Howrah
 M. J. Thanawala & Co., 47-49, Forbes Street, Fort, Bombay.
 Ochhaviyal Ghotlail & Co., 207-209, Nagdevi Street, Sadaria Bazar, Bombay.
 Oswal Durrie Factory. Sialkot City.
 P. C. Sircar & Co., 47-2, Badridas Temple St., Calcutta.
 P. Ghose & Co., 41, Strand Road, Calcutta.
 Pioneer Rope & Twine Factory, 68, Morland Road, Byculla, Bombay 8.
 R. B. Boota Singh & Sons, Rawalpindi
 S. C. Mulhock & Co., 23-1, Strand Road, Calcutta.

Salkia Rope Works, 204, Grand Trunk Rd., Sialkot, Howrah
 Shalimar Rope Works, Ltd., Shalimar, Howrah. M./A. Turner Morrison & Co., 6, Lyons Range, Calcutta.
 Standard Materials Co., Kapaata Bazar, Ahmedabad, (Cotton driving ropes).
 T. Thomas & Sons, Pullincunnoo P. O., S India
 Vaishnav Dass Girraj Mall, Sadar Bazar, Delhi.
 Victoria Steam Rope Works, 88, College Rd., Shibpur, Howrah.
 Vrajlal Bechardas, 355, Kazi Syed Street, Bombay.
 W. Evans & Co., 3, Mangoes Lane, Calcutta. (Wire Ropes)
 W. H. Harton & Co., 61, Harrison Road, Calcutta
 Western India Rope Mfg Co., Ltd., 388-402, De Lasle Rd. Chinchpokli, Bombay

RUBBER ESTATES.

A. C. M. Anthraper, Pattanapuram, Travancore.
 Ambadi Estate, Thiruvattur, Trivandrum.
 Atchencoll Estate, Travancore.
 C. K. Koshy, Kanjirapalli, Travancore.
 C. P. Luiz, Muvatupuzha, Travancore.
 Cavanal Rubber & Tea Estates Ltd., Chenganoor, Travancore.
 Central Travancore Rubber Co. Ltd., Mundakayam, Travancore.
 Clovelly Rubber Estate, Tutta-pullum, Kotagiri, Nilgiris
 Cochín Malabar Estates, Ltd., Nilambur, Malabar.
 Cochín Rubber Co., Ltd., Vellankara, Trichur, Cochín
 Darragh, Small & Co. Ltd., Coimbatore, Malabar.
 Dominic Maratta Kalam & Sons, Changanachary, Travancore
 E. H. Noel, Kumbanadu, Ranni, Travancore.
 Eddivanna Estate, Nilambur, S. I.
 Elak Rubber Co. Ltd., Agts. T. Stanes & Co. Ltd., Coimbatore
 English & Scottish Joint Co-operative Wholesale Society,

Ltd, Mango Range, Nilgiris
 G. Nicol Thomson & John Roy Nicol Thomson, Martandam, Padmanabhapuram, Travancore
 Hill View Estate, Kalthuritty, Travancore.
 Indian Peninsular Rubber & Tea Co Ltd, Coonoor, Nilgiris.
 J. R. Vincent, Thekaday, Kumill, Travancore
 K. & K. Chandu Thomas, Dr., Pathanapuram, Travancore
 K. C. Chacko & K. C. Chandu, Thodupuzha, Travancore
 K. C. Chandu, Dr., Kottayam, Travancore.
 K. C. Kunjuvarkey, Kanjirapalli, Travancore
 K. C. Mathai, Kanjirapalli, Travancore.
 K. C. Thommey, Kanjirapalli, Travancore.
 K. Dominic Thommen, Kanjirapalli, Travancore.
 K. I. Abraham & Co., Mundakayam, Travancore.
 K. I. Thomas, Punnen Kurian & Bros., & K. Jacob Thomas, Kanjirapalli, Travancore

**K. K. ASHRAM, TRICHINOPOLY. CHANCHALA SCENT 8 ANNAS.
 CHANCHALA AGAR BATTIS PACKET 6 ANNAS.**

- K Jacob Thomas, Kanjirapalli, Travancore; Mannarghat, Olavakkot, Malabar.
- K K Kuruvilla & Sons, Kanjirapalli, Travancore.
- K Kunjuvarkey & Bros, Kanjirapalli, Travancore.
- K T. Cherian, Kanjirapalli, Travancore.
- K. T. Kunjammen, M K Kunien, E Ramapuram & C K. K Tharakan, Sidapur, Coorg
- K V. Kunien & Sons, Mundakayam, Travancore.
- K V Varkkey, Mundakayam, Travancore
- K V. Zachariah & Bros, Mundakayam, Travancore
- Kailasam Estate, Punalu, Shencottah.
- Kedamakal Rubber Syndicate Ltd, Mercara, Coorg
- Kerala Calicut Estates, Ltd, Mookkam, Kunnammangalam, Malabar.
- Kollikanam Estate, Falisfield, P. O. Peermade, Travancore.
- Kombutuki Estt., Salem, Yercaud, Boramudi, S I Ry.
- Kunjacko Kunjacko & Sons, Kanjirapalli, Travancore.
- Kuttanad Rubber Co Ltd, Kainakary, Pulincunnoo P. O, Travancore
- Kuttiadi Rubber Co, Ltd, Kuttia-di, N Malabar.
- M I Kurian & Bros, Kanjirapalli, Travancore.
- Malabar Industrial Company, Ltd, Pattanapuram, Travancore.
- Malankara Rubber & Produce Co Ltd, Kottayam, Travancore.
- Malayalam Plantations, Ltd, Kalthurthy, Thenmalai, Travancore, Kanjirapalli, Travancore;
- Thodupuzha, Travancore
- Mar Thoma Rubber Co, Ltd, Alleppey, Travancore.
- Moganaad Peak Coffee & Rubber Estt, Nagalur, Salem
- Mundakayam Crepe Rubber Soling Factory, M/A Aspinwall & Co, Ltd, Cochin
- Mundakayam Valley Rubber Co. Ltd, Mundakayam, Travancore
- Mundakottakal Chacko Kochukma, Pathanamthitta, Ranni, Travancore.
- Munjamullay Tea & Rubber Estate, Travancore.
- Murphy Estates, Ltd., Mundakayam, Travancore
- Mysore Rubber Syndicate, Palapilly, Padukad, S. I Ry.
- N. S Bostock, Martandam, Travancore.
- Neumeny & Red Lynch Estates, Mundakayam, Kottayam.
- Nilambur Rubber Co, Nilambur, Malabar.
- O M Devasia, Mundakayam, Travancore.
- Oriental Rubber Co. Ltd, Alleppey.
- Ossoor Rubber Estt., Hassan, Mysore.
- P. I Chandy, Kanjirapalli, Travancore
- P Ittyaviah Joseph, Kanjirapalli, Travancore.
- P. T. Thomas, Mundakayam, Travancore.
- P. V K & Sons, Kothamangalam, Travancore
- P. V Kuruvilla & Sons, Kothamangalam, Travancore
- Paalali Estate, Martandam, Travandrum.
- Palampadam Plantations Ltd, Mundakayam, Travancore
- Palapilly Rubber Factory, Palapilly, Cochin State.
- Pathanapuram Rubber & By-Products Co., Ltd, Pathanapuram, Travancore.
- Petiyar Rubber Co., Ltd., Thattakad, Alwaye, Travancore.
- Poonmudi Tea & Rubber Co Ltd, Kallar Bridge, Kallar, Travancore
- Portland Rubber Co. Ltd., Makut, Coorg.
- Pudukad Rubber Co., Ltd, Palapilly, Nelliayi, S I R.
- Pullangode Rubber Estate, Ltd, Pullangode, Malabar.
- Rajagiri Estate, Limited, Pattanapuram, Travancore
- Rani Travancore Rubber Co. Ltd, Vedeserikara, Travancore; Mundakayam, Travancore
- Rubber Plantations Investment Trust Ltd, Quilon, Travancore.

Insure happiness and security of your family with The Great Home Life Assurance Co. Ltd. Ch Agts—Biswas & Co., 20, Lal Bazar St, Calcutta.

S. Krishna Iyer, Kottayam, Travancore.
 S Perumal Pillai, Vadaserikara, Ranni, Travancore.
 Sampaje Rubber Co. Ltd., Mercara, Coorg.
 Sheenally Rubber Estt. Olavakot, Cochin.
 Southern India Rubber Co. Ltd., Palparai, Coimbatore.
 Stagbrook Rubber & Tea Estt Ltd, Mundakayam, Travancore
 T K Matthen & Bros. Pattanapuram, Travancore.
 T K Varughese, T K Oommen, & Di. T K Abraham, Chenganur, Travancore
 T. Thomas Palampadam, Mundakayam, Travancore
 Teekoy Rubber Estate, Ltd, Alleppey, Travancore
 Thirumbadi Rubber Co. Ltd, Makkam, Kunnamangalam, Malabar.
 Thodupuzha Rubber Co. Ltd, Thodupuzha, Travancore

Travancore Rubber Co. Ltd, Mundakayam, Travancore
 Tropical Plantations, Ltd, Mundakayam, Travancore. Thodu puzha, Travancore
 U. Raman, Mundakayam, Travancore
 V. M. Joseph, Erattapatta, Travancore.
 Valakadie Peak Coffee & Rubber Estate, Nagalur, Salem.
 Valkundam Company, Ltd, Martandam, Padmanabhapuram, Travancore.
 Vanchinad Rubber & Produce Co, Ltd, Changanacherry, Travancore.
 Vaniampara Rubber Factory, Vaniampara, Cochin State
 Vellanikera Rubber Factory, Thalanikaia, Trichur, Cochin
 Velhamattom Rubber Co. Ltd, Alleppey, Travancore
 Yendayar Estate, Mandakayam, Travancore
 West Coast Industrial Co. Ltd, Tiruvilla, Travancore

RUBBER GOODS DEALERS.

BENGAL.

Bata Shoe Co Ltd, Batanagar, 24-Parg
 D P Chakravarty & Co., 40-4, Hriday Krista Banerjee Lane, Howrah (Old Motor Tyres)

BOMBAY CITY.

All-India Tyre & Rubber Mfg Co, Ltd, 46, Yusuf Bldg, Esplanade Road, Fort, Bombay
 Continental Tyre & Rubber Co, Sir Mangaldas House, Lamington Road, Bombay
 Fisk Tyre Co (India) Ltd, Ford Automobile Co's Premises, Hughes Road, Bombay
 Goodyear Tyre & Rubber Co, (India) Ltd, 7-9, Mathew Road, Bombay.
 Macintosh (India), Ltd, Dunlop House, P O Box 535, Bombay.
 Supreme Rubber Co Ltd, Wadala, Near Bombay.
 Universal Rubber Works, Bombay 9 (Rubber Shoes).

CALCUTTA.

A & N Banerjee Co, 84-A, Clive Street, Calcutta

Aftab Ahmad & Co, 52/2, Caning St, Calcutta (Baloon)
 Asiatic Rubber Works, 19, Zakariah Street, Calcutta Fac 54-10, Chingehatta Road, Calcutta
 B. M. Khairwar, 161/1, Harrison Rd., Calcutta (Rubber Shoes)
 Behar Rubber Industrial Co, 14/1, Bibibagan Lane, Calcutta.
 Bengal Waterproof Works Ltd, 2, Nazarah Lane, Ballygunge, Calcutta. Factory No 1, at Ballygunge, No 2 at Panhati, (24-Pargs), Duck Back Water proofs, Ice Bags, etc
 Bhattacharya Rubber Works, 18, Sura East Road, Belegata, Calcutta
 Bonners Medical & Hygienic Rubber Goods Emporium, 43, Strand Road, (1st Floor), Calcutta (Medical & Hygienic Rubber Goods)
 Bridgestone Tyre Mfg Co Ltd, 54, Bentinck Street, Calcutta.
 British Engineering Stores Ltd, 11, Clive Row, Calcutta. (Also Garden, Armoured & Suction Hose, Valves etc)

Letters kept confidential, Medicines chosen to sufferers & supplies suitable Medicines. Write to K. K. ASHRAM, TRICHINOPOLY.

Calcutta Rubber Co., Ltd., 32, Armenian St., Calcutta.
 Calcutta Rubber Works, 1, Sura Cross Lane, Belehata, Cal.
 Central Rubber Works Ltd., 20-B, Tangra Rd., Calcutta
 Chimanlal Desai & Co., 54, Ben-tinck St., Calcutta. (Bridge-stone Tyre).
 Continental Tyre & Rubber Co., 11, Clive Str., Calcutta.
 Dunlop Rubber Co., (India) Ltd., 42, Free School St., Calcutta.
 Dunlop House, Bombay, Mount Road, Madras
 East India Rubber Works, Ltd., 161, Chittaranjan Avenue, Calcutta. Pac 3, Stark Road, Lillooah, Howrah
 Firestone Tire and Rubber Co. of India Ltd., 13B, Russel Str., Cal.
 George Miller & Co., 7, Hastings St., Cal (India Super Tyre).
 Imperial Rubber Works, 10, Paymental Garden Lane, Calcutta.
 India Rubber Goods Mfrg Co., 47, Murari Pukur Road, Calcutta.
 India Rubber Gutta-percha & Telegraph Works Co., Ltd., 7, Old Court House St., Calcutta
 Indian Rubber Goods Mfr. Co., 81, Lower Chitpur Road, Cal.
 Indian Rubber Mfrs. Ltd., 3, Esplanade East, Calcutta.
 Jagannath Bajaranglall, 32, Armenian St., Calcutta.
 K R Lynch, 113, Central Ave., Calcutta (Medical Rubbers).
 Kohinoor Rubber Works, 46/6, Canal East Road, Calcutta.
 Leyland & Birmingham Rubber Co Ltd., Agents, Burn & Co., Ltd., 12, Mission Row, Calcutta
 Madanlal Nandlal, 79, Clive St., Calcutta
 Michelin Tyre (India) Ltd., 19, British Indian Street, Calcutta.
 National Rubber Works Ltd., 6, Tuljara Road, Calcutta.
 Novelty Rubber Stores, F68, New Market, Calcutta.
 Premier Rubber Works, 92, Nar-keldanga Main Rd., Calcutta.

RUBBER SOLUTION MANUFACTURERS.

Bengal Waterproof Works Ltd., 2, Nazarah Lane, Ballygunj, Calcutta

R. B. S. Rubber Mills Ltd., 71, Burtolla St., Calcutta, Factory: Lillooah (Shoes, Tyres, Tubes).
 Travancore Trading Society, 161-B, Chittaranjan Avenue, Calcutta.
 S. H. Abdul Aziz Abdul Khaliq, 44, 45, 46, Canning St., Calcutta. (Balloons).
 Sen Bros & Co., 5, Hastings Str., Calcutta Works 108, Prince Anwar Shah Road, Calcutta. (Reclaimed rubber goods).
 United States Rubber Export Co., Ltd., 4-1A, Waterloo Str., Cal.
 United Rubber Works, 51, Tangia Road, Calcutta.
 W. Billington & Co., 11, Clive St., Calcutta.

DELHI.

Avon Tyre Distributors, Nicholson Road, Delhi.

INDIAN STATES.

A. V. Thomas & Co., Cochin
 Cheria Abdulla, C K Cochin.
 Harrisons & Crossfield Ltd., Cochin
 Hindusthan Rubber Works, Bhavnagar, Kathiawar Agts. Allen & Co., Abdul Rehman Str., Bombay 3.
 Mooply Rubber Co., Kaivathy Rd., Cochin
 Mundakayam Crepe Rubber Soling Factory, Mundakayam.
 P. C. Thomas Bros., Changanacherry, Travancore.

KARACHI.

Laxmi Rubber Works, Queen's Road, Karachi (Bicycle tube).

MADRAS CITY.

Indian Tyre & Rubber Co (G.B.) Ltd., Second Line Beach, Madras.

MADRAS PRESY.

Golden Industry, 933, Sowrashtia Big Street, Kumbakonam, S I. Thomson Company, Mundakayam, Travancore.

PUNJAB.

National India Rubber Works, Ltd., Railway Road, Sialkot City, Punjab.

Cochin Chemical Co., Ayalur, Cochin.

The Great Home Life Assurance Co. Ltd. (Bombay). Chief Agents for Bengal, Assam & Orissa, Biswas & Co., 20, Lal Bazar St., Calcutta.

Dunlop Rubber Co., (India), Ltd,
42, Free School St., Calcutta
Indian Rubber Works, Ghidih.

Madaga Mfg. & Co., 2, Mission
Row, Calcutta.

RUBBER STAMP MAKERS.

BENGAL.

Dey & Co., 1, Wiseghat Road,
Dacca.

BOMBAY CITY.

James Manufacturing Co. 407,
Kalbadevi Road, Bombay.
Maharaja Agriasen & Co, 302,
Kalbadevi Rd., Bombay 2
Mankama Bros, Kalbadevi Rd,
Bombay
Masani & Co, 43, Medow's St.
Fort, Bombay.

BOMBAY PRESIDENCY.

Vithal & Mandali, Main Road,
Nasik City

CALCUTTA

A. K. Bhar & Co., 14/1, Bonfields
Lane, Calcutta.
Basak Bros, 69/1, Rutjon Sircar
Garden St., P.O. Bara Bazar,
Calcutta.
Binod & Co., 77, Radha Bazar St,
Calcutta.
Deb Sarma & Co, 71, Raja Nabo
Kishna St., Calcutta.
Duttio Bros & Co., 1/1, Goswain
Lane, Baghbazar, Calcutta
(Also Metal Engravers).
Economic Rubber Stamp Mfg.
Co., 4-B, Kasi Bose Lane, Cal
G Dey & Co, 13, Satrugna
Ghose Lane, Calcutta.
H C Biswas & Co, 38, Radha
bazar St., Calcutta
India Rubber Stamp Works, 49,
Ezra Street, Calcutta.
Phototype Studio & Publicity Co.,
37, Shikda Bagan St, Cal.
V. D Agency, 4-B, Peary Das
Lane, Beadon St P O, Calcutta
Victoria Rubber Stamp Mfg Co.,
23, Canning Street, Calcutta

CENTRAL PROVINCES.

Chandurkar Brothers, Mahal, Nag-
pur City, C.P. (Brass Seals,
Brass Name Plates & Letters)
G. J. Bhargava & Sons, Lordganj,
Jubbulpore.

DELHI.

Rubber Stamp Makers, Mohani
Bhandal, Delhi.

INDIAN STATES.

G. P. Sivam & Co, Puthenthana-
thai, Tivandium, Travancore
Ganesh Lal, Ganesh Ghati, Udal-
pur.
Rahim & Co, Afzalgunj High Rd,
Hyderabad
Rubber Stamp Mfg. Coy., Udal-
pur, (Mewar).
Srinivas Electile Press, Lans-
downe Bldg., Mysore.
Universal Rubber Stamp Co,
Station Rd., Secunderabad
Yajaman & Sons, Chickpet,
Bangalore City.

KARACHI.

Karachi Art Works, Serai Road,
Karachi.
Narman Photo Engraving Co,
near Central Bank, Karachi.
Rubber Stamp Bureau, Bunder
Road, Karachi
Vishnoo & Baboo, Yunkah Lines,
Lawrence Rd., Karachi.

LAHORE.

Ram Chand & Co, Nila Gumbad,
Post No 13, Lahore.

MADRAS CITY.

Best Rubber Stamp Manufactur-
ing Co, 19, Kasi Chetty Street,
Madras
L Logonatham & Co, 185A,
Broadway, Madras



L. Pathy & Co, 228, Govindappa Nauck St., G. T., Madras.
M. K. Swamy & Co, 27, Swamy Naicken St., Madras.
Somomudaly & Co., China Bazar, Madras

MADRAS PRESIDENCY.

B. N. Reddy & Co, Cacanada.
Gupta & Co, Agrapharam Str., Erode, S I
K. Gurusamy, Wedderburn Str., Erode
K. S. N. Murty Gupta & Co., Palakol, W. Godavari Dt.

ORISSA.
Arunodaya Rubber Stamp Factory, Balu Bazar, Cuttack.

PUNJAB.

P. Shiv Lal & Sons, Ferozepore City.

UNITED PROVINCES.

Bholanath & Co, 30, Aminabad Park, Lucknow.
Chhitarmal Shankarlal Misra & Sons, G. T. Road, Aligarh.
Raj Kisore Bajpai Rubber Stamp, Chowk, Cawnpore

SADDLERY & HARNESS DEALERS.

British India Saddlery Mart, Cawnpore.
Dost Mohd. Ellahi Bux, Saddar Bazar, Delhi.
Duni Chand & Sons, Mall Road, Simla.
Goodwick & Co, 2/6, Bow Bazar Street, Calcutta
Haji Mahood Buksh Ehsan Ellahi (Regd), Cawnpore

Ismail Mullick & Co, 5/4, Dharanalla St., Calcutta
Lala Jagannath Prosad & Son, 2/2, Bow Bazar Street, Calcutta
Lala Ninheri Lal, 2, Bow Bazar Street, Calcutta
Osman Mullick, 7, Dhuanatola Street, Calcutta.
Punjab Saddlery, Commercial Bldg., Ambala.

SAGO MANUFACTURERS.

(See Barley & Arrowroot Manufacturers).

SALT MANUFACTURERS.

Bansidhar Sheo Pershad, Bara Bazar, Sambhar Lake,
Bengal Salt Co. Ltd., 137, Canning Street, Calcutta
Government Salt Golas, Salkia, Howrah
Harnanad Rai Ramanand, Bara Bazar, Sambhar Lake
Indian Salt Manufacturers Ltd., 12, Dalhousie Square, Calcutta.
Lokamanya Salt Works Ltd., 24, Strand Road, Calcutta. Factory—Monsani, 24-Parg
Nadir Salt Works, Porbandar, Kathiawar.
National Salt Manufacturing Co. Ltd., 137, Canning St., Calcutta
Okha Salt Works, Okha, Kathiawar.
Oriental Salt Co, Cocanada
Pioneer Salt Manufacturing Co. Ltd., 17, Mangoe Lane, Calcutta.

Factory—Sisarganj, 24-Parg
Premier Salt Manufacturing Co., Ltd., 137, Canning St., Calcutta
Factories: 1. Samudrapur, Contai, Midnapore
R. B. Srinivas Harbilas, Bara Bazar, Sambhar Lake (Merchants)
R. P. Umrigai & Co, Umrigar Bldg, 49, Abdul Rehman Street, Pydhonie, Bombay
Ram Chandra Soni, Bara Bazar, Sambhar Lane, (Merchant).
Salt Manufacturing & Trading Co. Ltd., Colachel, Travancore.
Sheoballabh Mandhana, Bara Bazar, Sambhar Lake.
Sitaram Gordhan Das, Bara Bazar, Sambhar Lake
Sumandi Salt Factory, Gopalpore
Victor Salt Refinery, Lahore

SANDALWOOD OIL MANUFACTURERS & DEALERS.

Abdul Majeed, 2, Royal Exchange Place, Calcutta

Debprasad Pryagduitt Pandit, 89, Lower Chitpore Rd., Calcutta

The only RELIABLE suppliers of GENUINE Musk—Wholesale & Retail.
The Himalayan Musk Depot, 118, Harrison Rd., Calcutta. H.O.—Nepal.

Govt. Sandal Wood Oil Factory, Mysore.

Indian Sandal Oil Factory, Kuppan, N. Arcot.

Kangundi Industrial Works, Kuppan, Chittoor. (Also Patchouli Oil, Cardamom Oil, Clove Oil).

SANITARY GOODS MANUFACTURERS & DEALERS.

Bengal Pottery Works, Ltd., 15, Tangin Road, Calcutta.

Best Tiles, Ceilings & Marble Co., 1, Mission Row, Calcutta.

Burn & Co., Ltd., 12, Mission Row, Calcutta.

Central Scientific Supplies Co., Perinanna Malstiy St., Madras.

Civil & Sanitary Engineering Co., Ltd., 11, Convent Rd., Calcutta.

Eastern Light Castings Co., Ltd., 12, Mission Road, Calcutta.

Expert Tubewell Co., 129/1, Bowbazar Str., Calcutta.

Maya Engineering Works, 36 A, Russa Road, P.O. Kalighat, Calcutta.

Works.—Rai Bahadur Road, Behala, Calcutta.

Manlek Lall Mullick, 3/1, New Bowbazar Lane, Calcutta. Br —

Almore Rd., Jalpur, Rajputana.

Massey's (1930) Ltd., 2/27, Royapuram, Madras.

Metal Manufacturing Co., Ltd., 32.

Makhanlal Chinsukhdas, Kanna, U.P. Br.—Nayaganj, Cawnpore.

Abdullahman Street, Bombay.

Chowk, Benares.

S. N. Mukherjee, 22, Canning Street, Calcutta.

Sh. Palani Nadar, Arupukottai, Ramnad, (Sandalwood).

Aimentan St., Calcutta. Factory:—14, Stark Road, Lillooeh.

Modern Sanitary Stores, 1/12, Mission Row, Calcutta.

Raimohan Pravat Ch. Modak, Rajgonj, Comilla.

Rhine Engineering, 12A, Mohini Mohan Road, Calcutta.

S. K. Chakraverty Ltd., 1-11, Mission Row, Calcutta.

S. K. Khannah & Co., Sudder Street, Meent.

Sanitary Goods Depot, Chowri Bazar, Delhi.

Sanitary Engineers' Corporation, 77/1, Harrison Road, Calcutta.

Sanyal & Co., 309, Bow Bazar St., Calcutta.

T. A. Ponnau & Co., 26, Puraasawakum High Rd., Kipauk, Madras.

W. H. Deeth & Co., P. O. Box No. 2278, Calcutta; P. O. Box

No. 320, Bombay; P. O. Box 218, Madras, P. O. Box 226, Karachi.

SATIFOOD MANUFACTURERS.

Amulya Dhan Paul & Co., 113, Khongrapatty St., Calcutta.

Dave Chemical Works, Kalbadevi, Bombay.

J. B. Dutt & Co., 18, Bonfields Lane, Calcutta.

P. C. Paul & Co., 18, Bonfields Lane, Calcutta.

R. C. Chakraverty, 105, Cornwallis St., Calcutta.

Sinath Chemical Works, 15, College Square, Calcutta.

SAW MILLS.

ASSAM.

Assam Saw Mills & Timber Coy., Ltd., Murkongselek, Sadiya

Frontier Tract, Assam.

Calcutta Saw Mill, Dibrugarh, Lakhimpore, Assam.

Margherita Saw Mill, Margherita, Lakhimpore, Assam.

Meeklanadi Saw Mill, Laimakuri, Sadiya Frontier Tract, Assam.

Vencer Mills & Sleeper Treatment Plant Works, Margherita, Lakhimpore, Assam.

BOMBAY CITY.

McKenzie Ltd., Bombay.

BOMBAY PRESIDENCY.

Dhulchand Gannaji Rice & Saw Mills, Amalsad, Surat.

Kasanji Nichhabhai, Railway Yard, Navsari, Surat.

Maganbhai Kashibhai & Co., Chawpatty Road, Biltmoira.

CALCUTTA.

Acharya Bros, Saw Mill, 12/1, Canal South Road, Calcutta.

Annapurna Saw Mill, 2, Canal East Rd., Ultadanga, Calcutta.

BENGAL SOTTIE FOOD—Light and Nutritious Food for Infants, Children and Invalids. 113, Khongrapatty Street, Calcutta.

City Saw Mills, 30/H/1, Canal East Road, (Old No 44/1), Cal. Dhubai Saw Mills & Timber Co., 39, Chatawalla Lane, Calcutta. Kamala Saw Mills, 12/6, Canal East Road, Ultadangi, Calcutta. Zenal Saw Mill, 44/2, Canal East Road, Calcutta.

CENTRAL PROVINCES.

Govt. Saw Mill, Allapalli, Chanda.

INDIAN STATES.

City Saw Mills, Bangalore City. Government Saw Mill, Shimoga. Mysore State. V. Venkatasubiah & Sons, (The Jubilee Saw Mills), Bangalore City. Union Tile Factory Ltd., Karavanoor, Irinjalakuda, Cochin State

KARACHI.

Karachi Saw Mill, Karachi

MADRAS CITY.

V. M. Raghavulu Naidu & Son, 16, Venkataramlar Street, Madras. Saw Mill at Rangoon, Br — Negapatam, Cocanada & Bombay

MADRAS PRESIDENCY.

Dutch Saw Mill, Kallai, Malabar. Kirwatti Govt. Saw Mill, Kanara. Kohinoor Saw Mill Ltd., Kallai, Malabar.

New Malabar Timber Yards and Saw Mills Ltd., Kallai, Malabar.

PUNJAB.

Hayat Saw Mill, Jhelum, Punjab

UNITED PROVINCES.

Silver Saw Mills, Raulganj, Cawnpore

SCIENTIFIC APPARATUS DEALERS.

BOMBAY.

Fidally Gulamah, 163, Janykar Street, Bombay. S V Sovani, 239, Girgaon Road, Bombay.

CALCUTTA.

Adair Dutt & Co., Stephen House, 5, Dalhousie Sqr., East, Cal. Associated Instrument Manufacturers (India) Ltd, B/5, Clive Bldg, 8, Clive St., Calcutta. Bengal Chemical & Pharmaceutical Works, Ltd., 31, Chittaranjan Avenue, Calcutta. Bengal Scientific Apparatus & Minerals Co, 146, Cornwallis Street, Calcutta

Eastern Trading & Stores Agency, 219, Old China Bazar Street, Calcutta

Gobardhan Das Desai & Co, 5, Dalhousie Sq, Cal. (Microscope). H. Mukherjee & Co, 39/1, College Street, Calcutta

Jewel Export Filter Co., 25, Strand Road, Calcutta.

Lawrence & Mayo Ltd, 11, Government Place East, Calcutta.

Medico Scientific Stores, 30, Colootola Street, Calcutta.

Nadia Chemical Works, C44/46, College Str Market, Calcutta.

National Glass Blowing Concern, 9, Nayan Chand Dutt St, Calcutta.



National Glass Blowing Concern
Manufacturers of Glass Syringes, Test-tubes, Amples, Pill-tubes, Drop conductor, Sample tubes And General Order Suppliers.
Nayan Chand Dutt St. Calcutta.

Ruth & Co., 80, Radha Bazar Street, Calcutta.

S. K. Chakravartty & Co., 137/13/1, Narkeldanga Main Road, Calcutta. (Scientific Glass Tube Apparatus).

Scientific Apparatus Co., 4, Mallik Lane, Bhowanipur, Calcutta.

Scientific Glass Apparatus Mfg Co., 11/2, Bahir Mirzapore Rd., Calcutta.

Scientific Glass Works, 44, Kailash Bose St., Calcutta.

Scientific Instrument Co. Ltd., 11, Esplanade East, Calcutta.

CENTRAL PROVINCES.

Eastern Scientific Supply Co., Residency Road, Nagpur.

DELHI.

Imperial Educational & Scientific Works, Esplanade Road, Delhi.
National Trading Co Ltd, Esplanade Road, Delhi

INDIAN STATES.

Laboratory Supplies Co., Main Road, Travandrum, Travancore; 9, Sree Krishna Bldgs., Avenue Rd., Bangalore City.

M. B. Subba Rao, 942, Hanuman-tekdi, Hyderabad, Deccan
Murlidhar Modi & Sons, Sadai Bazar, Jodhpur.

LAHORE.

Ghulam Nabi & Sons, Mayo Road, Lahore

MADRAS CITY.

Janarthanam & Co., 100, Govindappa Naick St., Madras.

P. Orr & Sons, Ltd, Mount Rd., Madras.

Scientific Advance Co., Ltd., 21-22, Lingha Chetty St., Madras.

PUNJAB.

Biological Supply Depot, Hall Gate, Amritsar. (Microscope, Erkameter, Aseptor).

Oriental Science Apparatus Workshop, Hill Road, Suddar Bazar, Ambala Cantt.

Science Apparatus Supply House & Workshop, Hall Gate, Amritsar.

SIND.

Relu Mal Pesu Mal, Dhak Bazar, Sehwan, Larkana, Sind

UNITED PROVINCES.

Educational Supply Co., Bularnala, Benares City.

Kishore Scientific Works, McNair Road, Bareilly.

Model Industries (Regd), Darabagh, Agra.

Scientific Apparatus & Chemical Works, Ltd, Civil Lines, Agra.

Scientific Instrument Co. Ltd., 5-A, Albert Road, Allahabad; 240, Hornby Road, Bombay.

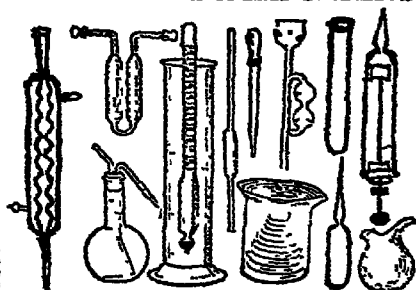
Scientific Technical Workshop, 12, Aminuddaula Park, Lucknow.

SEALING WAX DEALERS.

Bengal Industrial Co., 21, Gopal Chandra Bose Lane, North Sinthi, Cossipore P.O., Cal.

Bhagwan Das & Sons, 48, Clive Street, Calcutta.

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 Jagannath Marwari, Nandpara, Sambalpur.
 Jethalal Meghji & Sons, Saddar Bazar, Rajkot, Kathiawar.
 Kanshi Ram Hansraj Oswal, Sadar Bazar, Delhi. (Cotton Ball).
 Karamchand Thadaram, 200, Abdul Rehman St., Bombay.
 Karim Bux & Elahi Bux Bros., 58/3, Canning Street, Calcutta.
 Kesoriam Cotton Mills, 8, Royal Exchange Place, Calcutta.
 L. Mullick, 183, Dharamtala St., Calcutta.
 M. Bagh & Co., 12, Jackson Lane, Calcutta. Factory—Gopikristo Paul Lane, Calcutta.

New Egerton Woollen Mills Co., Dhariwal, Punjab.
 Nicholas Kishundas & Co, Marriott Road, Karachi.
 Oswal Thread Factory, Kanak Mandi Bazar, Sialkot City.
 Ratilal Bhikhabhai & Co., Girgaon, Bombay 4
 Shahajan's Ball Thread Factory, Bangalore City.
 Swadeshi Silpa Mandir, Rani Dighirpar, Comilla.
 T. S. Abdeally & Bros., 3, Bunder Street, Madras
 Twine Ball Manufacturing Co., 27, Fakir Chand Chakravarty Lane, Calcutta.

SHARE BROKERS.

(See under Stock & Share Brokers).

SHAWL MERCHANTS.

CALCUTTA.

Chandia Kumar Baikuntha Nath Gunn & Co., College Street Market, Calcutta.
 Dunichand Kishan Chand Khanna, 46, Cross Street, Calcutta.
 Jaharlal Pannalal & Co., College Str Market, Calcutta.
 Jan Mohammed & Son, 16-5, Chowringhee, Calcutta.
 Kamalaya, Ltd., College Street Market, Calcutta.
 Kashmir Weaving Co., 211, Harrison Rd., (1st. Floor), Calcutta.
 Tara Stores, 87-2, College Street, Calcutta.

DELHI.

Kanshi Ram Kesho Ram, Chandni Chowk, Delhi.
 Kishen Chand & Sons, Chandni Chowk, Delhi.
 Mirzap & Sons, Chawri Bazar, Delhi.

INDIAN STATES.

All India Spinners' Association, Srinagar.

Bharat Lakshmi Trading Co., Rainawari, Srinagar, Kashmir.
 Gulam Mohd Chastli, Gogwara, Navhat, Srinagar, Kashmir.
 Gwasha Lall & Bros, Gundi Ahlmar, Srinagar, Kashmir.
 Habib Ullah Ahmad Ullah, Kashmere Mirjapur Nawal Kadal, Srinagar.
 Ishwar Dass Tikoo & Sons, Srinagar, Kashmir.
 Kashmir Weaving Co., Srinagar, Kashmir.
 Mitchell & Co., Srinagar, Kashmir.
 Saif-ud-Din Bahai Shah, Srinagar.
 Nurdin Pandit, Srinagar.
 Zutshi & Co., Srinagar, Kashmir.

PUNJAB.

Abdullah Sons & Co., Lohari Gate, Sialkotian St., Amritsar.
 Bharat Industrial Co., Amritsar.
 Sadai Pashmina House, Ludhiana.

UNITED PROVINCES.

Asdullah Khan, Market Bazar, Kasauli.

SHELLAC EXPORTERS.

CALCUTTA.

A. M. Arathoon & Co., 5, Dalhousie Sgr., Calcutta.
 Heeralal Agurwalla & Co., 4 & 5, Hare St., Calcutta.

J Thomas & Co., 8, Mission Row, Calcutta
 Kedar Nath Khandelwal & Co., 11A, Radha Bazar Lane, Cal
 Lyall Marshall & Co., 4, Fairlie Place, Calcutta

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Jethalal Maghji & Sons, Saddar
Bazar, Rajkot, Kathiawar.
Kashmir Syndicate, Jammu Tan-
dian, Srinagar.

Ramechander Balabakhsh, Sam-
bhal Lake, (Rajputana).

KARACHI.

Hassanand & Co, Bunder Road,
Karachi
Tolaram Ramdass & Co., Opp.
Denso-Hall, Karachi.

LAHORE.

Mehar Chand Sethy & Co,
Anarkali, Lahore.

MADRAS CITY.

R C & Co, 107, China Bazar Rd.,
Madras

MADRAS PRESIDENCY.

Abdul Hag, Bezwada, Kistna.
Omersee Kesowjee & Co, Camp
Bazaar, Cannanore, Import
Office—Post Box No 1, Bom-
bay Br.—Calicut, Tellicherry
and Mangalore

Natesan & Co, Coimbatore
S Vasan & Co, Big Bazar,
Trichinopoly.

PUNJAB.

Darbar Sewing Machine Co,
Campbellpore.
Davrra Sewing Machine Co,
Sargodha
L. Wazir Chand, Kangra
Mihruddin & Co, Hall Bazar,
Amritsar.
Ram Narain & Sons, Kamaha.
Montgomery.
Watkins Major & Co, Jullundur
City.

SIND.

Alah Aukhiyo, Derzi St. Seh-
wan, Larkana, Sind.

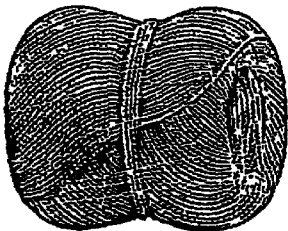
UNITED PROVINCES.

Diamond Jubilee Sewing Co.
Meston Road, Cawnpore.
Duikoff Sewing Machine Agency.
New City, Etawah
Jokhan & Sons, Rekabganj, Fy-
zabad.
Kali Charan, Nayabad (Singer)
M Mishra & Co, Bansika Phatak,
Benares City.
Pfaff Singer Sewing Machine &
Co, Usufganj, Aligarh.
Singer Sewing & Co, New City.
Etawah
Singer Sewing Machine Co.
Chowk, Fyzabad.

SEWING & CROTCHET THREAD MANUFACTURERS.

Ahmedabad Manufacturing & Cal-
lico Ptg. Co, Ahmedabad
Bharat Trading Co, 25A, Swallow
Lane, Calcutta
Bihar & Co, Near Portuguese
Church, Gurgaon, Bombay 4.
(Embroidery Thread).
Calico Mills, Ahmedabad.
Central India Spg Wvg & Mfg.

Co, Ltd, Empress Mill, Nagpur
Chittaranjan Crochet Cotton Co.
37, Ghose Lane, Calcutta.
Chittooi Sewings Manufacturing
Co, Chittoor, S I.
Ebrahim Alidhai Bros, 67, Sutar
Chawl, Bombay.
Everstrong Sewing Manufacturing
Co, Chittoor.



M. BAGH & CO.,
Tone Ball Manufacturers,
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making natural fruit syrups
and artificial syrups for plea-
sure or for profit. Methods of,
preparing sherbet, ice-cream,
syrup-powder and aerated
waters have been explained in
full.

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Keshub Bhawan,
SHAMBAZAR, CALCUTTA.

John King & Co., Victoria Engine Works, Howrah.
Mampilli Bros., Bastion Street, Cochin.
Mazagon Dock Ltd., Mazagon, Bombay 10.

R. S. N Co's Garden Reach Works, 43-46, Garden Reach Calcutta.

Shalmar Works, 63, Foreshore Road, Shibpur, Howrah.

SILICATE OF SODA MANUFACTURERS.

Bharat Silicate Works, 246, Manicktalla Main Rd., Calcutta
Calcutta Glass & Silicate Works Ltd., 9B, Kundu Lane, Calcutta.
Calcutta Mineral Supply Co., Ltd., 31, Jackson Lane, Calcutta

Gujrat Silicate Works, 241, Manicktalla Main Road, Cal.
Punjab Silicate Works, Bagmar Road, Calcutta
Sri Ratan Silicate Co., P O Katrasgarh, Manbhum

SILK FACTORIES.

Assam Silk Factory, Soalkuchi, P. O., Kamrup Dt Assam.

Assam Silk House, Gauhati, (Assam). Br —Soalkuchi, Dibrugarh.

Bali Silk Mills, Ludhiana, Punjab
Bangalore Silk Filature, Ulsoor Gate, Bangalore.

Bangalore Woollen & Silk Mills, Co., Ltd., Bangalore City.

Bengal Silk Mills, 13, Ariff Rd., Ultadanga, Calcutta.

Bhadrapur Silk Factory, Bhadrapur, Birbhum.

Bombay Silk Mills, Colaba Road, Bombay 5.

Champak Silks, Chandni Chowk, Delhi.

Chandiram Weaving Factory, Rohri.

Chhoti Silk Mills Co., Ltd., Bombay.

Chi Silk Mill Co., Ltd., 35, Armenian Street, Calcutta.

Chouks Silk Weaving Factory, Shajahanpur.

Coonwer Silk Mill, 30, Mission House Lane, Tollygunge, Cal.

Commercial Union Silk Weaving Co., Srinagar.

Delhi Silk Mills, Karol Bagh, Delhi.

Diwan Balmakund Mull Silk Mill Co., Galsabad, Dist Benares

Dy Director of Sericulture, Bengal, Berhampur, Murshidabad.

Gandhi Silk Factory, Agast Kunda, Benares City.

Government Silk Factory, Srinagar

Government Silk Factory, Jammu.

Government Silk Filature, Mysore

Govt Silk Weaving Factory, Mysore City

Govinda Silk Weaving Factory, Soalkuchi, Kamrup, Assam.

Hariram & Co., Begumpura, Chowksheri, Surat Br —Bombay,

Karachi & Calcutta

Imperial Silk Manufacturing Co., Srinagar.

Indo Kashmir Textile Manufacturing Co., Ltd., Srinagar

J. J. Vasanika & Co., Bilimora, Surat Dt.

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R R Modi, 23, Canning St, Cal.

Turner Morrison & Co, 6, Lyons Range, Calcutta.

SHELLAC MANUFACTURERS.

BIHAR.

A. M. Anathoon's Shellac Factory,
P O Jhalda, Manbhum.
Bhagwati Pd Agaiwalla, P O.
Pakauri, (S. Parg.).
Hindphal Lac Factory, Hindphal,
Ranchi
India Lac Co, P. O. Nishachatti,
Dhanbad.
Murihu Lac Factory, Murihu,
Ranchi.
Narayan Lac Factory, Murihu,
Ranchi.
S J Achari, Shellac Factory,
Jhalda, Manbhum

CALCUTTA.

Angelo Bros, Ltd., 6, Lyons Range, Calcutta.
Deokaiandass Prabhudayal Shellac Factory, 50, Bosepata Lane, Calcutta.
Kishunprasad Bansidhar, 31, Mangoe Lane, Calcutta.
Moran & Co., Ltd, 4, Lyons Range, Calcutta
Tollygunge Shellac Factory. Hathiabari, Tollygunge, Calcutta.

INDIAN STATES.

Bhopal Produce Trust Ltd. Bhopal.
Government Lac Factory, Maleswaram, Bangalore City
Rewa State Shellac Factory, Umaria, Rewa

UNITED PROVINCES.

Anant Ram Ganesh Prasad, Badlika, Mirzapore
Babulal Bhagwati, Putanjanjahi, Mirzapur.
Badlikaia Lac Factory, Badlikaia, Mirzapore

Baldeo Prasad Surju Prasad, Muzaffarganj, Mirzapore.
Bisaya Nath Prasad Balnath Prasad, Dankingun, Mirzapore.
Buddhu Ram & Bhagwan Das, Bhasiatola, Mirzapore.
Bujhawan Ram and Bandhu Ram, Bhasiatola, Mirzapore
Chedi Lal & Mewa Lal, Sabli, Mirzapore.
Debi Prasad Mewalai, Jhamdabag, Mirzapur City.
Garib Ram Chedi Lal, Ganeshgunj, Mirzapore.
Gaus Mahomed Khairuddin, Lalduggi, Mirzapore
Gopal Dass Kandhiya Lal, Muzaffarganj, Mirzapore.
Hajee Shaik Abdul Karim's Lac Factory, Dakhin Phatak, Mirzapore
Haji Dass Bishamber Dass, Muzaffarganj, Mirzapore
Jagadish Brothers, Dankingun, Mirzapore.
Jagannath Rao Kasaria, Chaltgunj, Mirzapore
Janki Prasad & Bansi Lal, Ganeshgunj, Mirzapore.
Lachman Das & Maniakhan Lal, Ganeshgunj, Mirzapore.
Lodi Ram & Nairan Dass, Sabli, Mirzapore.
Parsotam Dass Bindeshari Prasad, Naighat, Mirzapore.
Ram Dass & Behari Lal, Ganeshgunj, Mirzapore.
Rookhee Ghat Co, Ltd. Rookher Ghat, Mirzapore
Surjiwan Lal & Mahabir Prasad, Ganeshgunj, Mirzapore.

SHIP BUILDERS & ENGINEERS.

Alcock, Ashdown & Co Ltd. 16, Bank Street, Fort, Bombay.
B. L Engineering, Garden Reach Workshop, & Howrah Road, Salkia, Howrah.
Brunto Co, Engineers Ltd, Ballard Road, Cochin.
Calcutta Landing & Shipping Co.'s Works, 24, Howrah Road, Salkia, Howrah.

Ganges Engineering Works, Bailly, Howrah
Hooghly Docking & Engineering Co, Ltd, 3, Howrah Rd. Salkia, Howrah.
Howrah Iron Works, 20, Telkal Ghat Road, Howrah
I G N & Railway Co's Dockyard, 44, Garden Reach, Cal.

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BIHAR.

Bhagalpur Silk Emporium, Naya-bazar, Bhagalpur.

Bhagalpur Silk Stores, Sujagani, Bhagalpur.

Khemka & Sons, Bhagalpur City. Oswall & Co., Jamshedpur.

Suddha Resham Khadi Bhandar, Naya-bazar, Bhagalpur City.

BOMBAY CITY.

Babubhai Chunilal & Bros., Opp. Nar Narain Temple, Kalbadevi, Bombay.

Behram N. Karanjia, Mahomed-bhoy Mansion, 13, Hughes Road, Bombay.

Dhanamal Chellaram, 41-45, Medow Street, Fort, Bombay.

Indian Silk Depot, 57, Krishna Gali, Swadeshi Market, Bombay.

K. J. Kapadia & Co., 131, New Charni Road, Bombay.

K. Hassaram & Co., New Silk Bazar, Bombay.

Kishinchand Chellaram, near Juckeria Masjid, Masjid Bunder Road, Bombay.

Madhavdas Raghunathdas & Co., 172, Hornby Road, Bombay.

Mysore Products, 191, Princess Str., Bombay.

Mysore Silk Depot, Swadeshi Market, Kalbadevi, Bombay.

Nagindas Fulchand Chinal, Chinal Bldg., 79, Masjid Bunder Road, Bombay.

Pohoomull Bros., Pohoomull Bldg., Bombay No. 3.

Ratilal Bhikhabhai & Co., Girgaon, Bombay 4.

Rijhumal Brothers, New Silk Bazar, Kalbadevi, Bombay 2.

Somnath Rupnadas Patel, 35, 3rd Bhorwada Bhuleshwar, P. O. Box 2080, Bombay.

Vithaldas Choonilal Jariwala, 104-6, Bhuleshwar, Bombay.

Wasiamull Assomul & Co., Kalbadevi Road, Bombay.

BOMBAY PRESIDENCY.

Ambaram Harkisandas, Mahudhar Kumbharseti, Surat.

B. B. Gajwala Sons Co., Ram-pura, Dudhara Sheel, Surat.

Balubhai Chhaganlal & Co., Hari-pura, Sukhediasheri, Surat.

Basapa Gangawati, P.O., Guled-gudd, Bijapur.

Chandulal Sanmookhlal, Mahtidhapura Bhutseti, Surat.

Chimanlal Jeysinghai, Manock Chowk, Ahmedabad.

Dayabhai Gokaldass, Outside Panch Kuva Gate, Ahmedabad.

Hariram & Co., Begumpura, Chowkisher, Surat. Br —Bombay, Karachi & Calcutta.

Nukaichand Maganlal, Below Market Chawk, Police Str., Ahmedabad.

CALCUTTA.

Anubhai Mayabhai, 44, Burtolla Street, Calcutta.

Banerman & Co., 80, Cornwallis Street, Calcutta.

Basanlalaya, 71, Rash Behari Avenue, Ballygunge, Calcutta.

Bengal Home Industries Association, 42, Chowringhee, Calcutta.

Bengal Silk House, 72, Ashutosh Mukherjee Road, Calcutta.

Bengal Silk Trading Co., 34, Lower Chitpore Rd., Calcutta.

Bengal Stores Ltd., 3-A, Chowringhee Place, Calcutta.

Bengal Textile Printing Works, 1, Sukea Street, Calcutta.

G. Mul Chand, A-18 and 38, New Market, Calcutta.

Chandra Kumar Baikuntha Nath Guin & Co., College St. Market, Calcutta.

Dawoodbhai Daffarjee, 20, Sukea's Lane, Calcutta.

Dayaram & Co., G1-2-3, New Market, Calcutta.

Devjimal Bros., F62, New Market, Calcutta.

G. M. Prasad, G-12, Municipal Market, Calcutta.

G. T. Khemlani & Co., A-44, 45, New Market, Calcutta.

Hot Chand Motumal's (The Curio Palace), F123-123-124, New Market, Calcutta. Br —Bombay.

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Jyanti Ramchandappa Silk
Weaving Factory, Bellary.
Kabadli Chicknagusa Venkusa's
Silk Twisting Factory, Banga-
lore City.
Kashmir Silk Factory, Srinagar.
Kashmir Weaving Co, 211, Harri-
son Road, (1st Floor), Bata-
barai, Calcutta
Kencore Silk Weaving Factory,
Doddballapur, Bangalore.
Khoday Ewarasa's Silk Twisting
& Dyeing Factory, Bangalore.
Lakshmi Venkateswaraswami Silk
Weaving Factory, Rayadrug,
Bellary.
M S Muddaiya & Sons, Silk
Winding & Twisting Factory,
Hanumanthapur, Bangalore.
Minerva Mills, Ltd., Bangalore
Munihuddin Ahmed & Co, Jangi-
pur P.O., Murshidabad
Mysore Spinning & Manufactur-
ing Co, Ltd, Bangalore City.
Norendia Silk Mill, Sagiampura,
Surat
Pahraj Silk Factory, Rohri.
Patel Mills, Sabarapur.
Rattilal Bhukhabhai & Co, Gir-
gaon, Bombay 4

Sankardev Silk Weaving Factory,
Soalkuchi, Kamrup, Assam.
Saiwanand Raina, Srinagar.
Sassoon & Alliance Silk Mill Co.,
Ltd, Victoria Road, Mazagaon,
Bombay.
Shri Rama Silk Throwing Fac-
tory, "Shri-Ram-Bagh," Basa-
vangudi, Bangalore City.
Silk Weaving Factory, Tatta,
Jaungshahi.
Silk Weaving Factory, 12, Bag
Sundeidas, Benares.
Sindhwah Cloth Factory, Shikar-
pur.
South Indian Silks Limited, Gud-
jalam, (N Arcot)
Sree Champakadama Silk Throw-
ing & Weaving Factory, 426,
Nagarathapur, Bangalore City.
Sri Anjaneya Weaving Factory,
Bangalore City.
Sri Lakshmi Silk Factory, Pedda-
puram, E Godavary.
Sri Lakshmi Venkateswara Silk
Weaving Factory, Rayadrug,
Bellary.
T R and Sons, Bangalore City.
Taroon Silk Weaving Factory,
Soalkuchi, Kamrup, Assam.
Tata Silk Farm, Basavangudi,
Bangalore City.
Winsum Silk Mnfng Co. Risal-
pura, Mhow, C I.

SILK MERCHANTS.

AJMER-MERWARA.

Hundamull & Sons, Kalsaganj,
Ajmer.
Chhageu Lall & Sons, 103, Main
Street, Ajmer.

ASSAM.

Assam Home Industrial Co.
Kamakshya, Gauhati, Assam.
Assam Silk House, Gauhati
Deb Brothers, Gauhati.
Dewan & Co, Gauhati
Dutt's Assam Supplying Agency,
Gauhati
Ganeshdas Badiung Narayan,
Gauhati
Janardan Das & Co., Baipeta
Surajmali Haribux, Gauhati
Surajmali Kamakshya Lall,
Gauhati
Talukder & Co, Baipeta, Assam.
BENGAL.
Bata Krishna Ranoo, Islampur

Chawk, Murshidabad.
Bengal Co-operative Silk Union
Ltd, Malda.
Bengal Silk Stores, PO Bishnu-
pore, (Bengal).
Chowdhury & Sons, Malda.
D. Dalal & Sons, Badangunj,
Hooghly. (Tasar Silk).
D S. Bhattacharjee & Sons, Ber-
hampore, Murshidabad.
Dafferpur Silk Factory, Raghu-
nathganj P.O., Murshidabad
Debedeen & Sons, Gora Bazar,
Berhampore, Murshidabad.
Gaiti Chowdhury, Islampur Cha-
wak, Murshidabad
Kanailal Madan Gopal Sahu,
Chawk Bazar, Murshidabad.
Krishna Chandia Chowdhury,
Khagra Bazar, Murshidabad.
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vancore

Sayani Vijaya, Opp Jubilee Gar-
den, Baroda.

Soni Brothers, Hari Singh High
Street, Srinagar, Kashmir.

St. Mary's Industrial School, P.O.
Ollur, Cochin State

T. Hassaram, (Bombay Royal
Silk Stores), Secunderabad,
Deccan.

Venkatagathiappa & Bros., Da-
vangore, Mysore

Wakhaloo & Bros., 3rd Bridge,
Srinagar, Kashmir.

KARACHI

Bachumal Mulchand, Kharadar,
Karachi

Thacker Vishinji Visiam Khara-
dar, Karachi.

Vishinjee Visiam, Kharadar,
Karachi

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C. Paramandass & Sons, 16,
Sukmoodas St, P T., Madras.

K Hassaram & Co, 98, Godown
St., Madras.

R. Payaneesandy Pillay & Sons, 4,
Luckmudoss St., Madras

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Bombay Stores, Big Bazar, Tri-
chinopoly.

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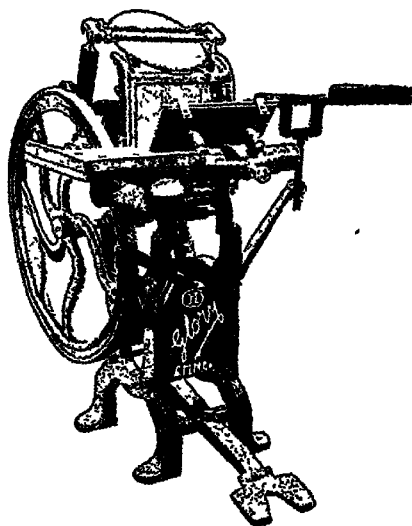
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pur.

Bisheshar Chandhury & Co., Su-
rajgunj, Muzaffarpur.
Cheap Stores & Co, Kalayani,
Muzaffarpur
East Bengal Stores, Bankipore,
Patna
J N Bhattacharjee & Co, Haza-
ribagh
Oriental Envelope Co, Muradpur,
Patna
Thacker Saran Verma, Raipur,
Muzaffarpur

BOMBAY CITY.

Bombay Stationery Mart, 16, El-
phinstone Circle, Amli Build-
ing, Fort, Bombay.
Calson Stationery Mart, 133,
Parsee Bazar Street, Bombay
D B. Taraporevala Sons & Co.,
210, Hornby Rd., Fort, Bombay.
Goi & Co, York Bldg., Hornby
Rd, Fort Bombay. (Paper Clip).
Hindi Vastu Prasarak Mandal,
Bombay 4.
Indo-Stationery Mart, Red Bldg.,
Parsi Bazar St, Fort, Bombay
Jayantilal J Gandhi & Co., 320,
Mint Road, Bombay 3
Manoel & Co, Jer Mahal, 550,
Kalbadevi Rd, Bombay 2
N S Mistry, 5, Saiaswati Mahal,
near C. Market, Bombay No 2.
Pioneer Stationery Mart, 160-108,
Cowasji Patel Street, Bombay.
Renown Stationery Stores, Lal
Bldg, 136-A, Parsee Bazar St,
Fort, Bombay.

BOMBAY PRESIDENCY.

B. G Thakur & Co, Nasik City
Bagoba Govind Thakur, Main
Road, Nasik City.
Balubhai & Sons, Kanipith Bazar,
Abbas Bldgs, Surat.
Bharat Swadeshi Stores, Mota-
Bazar, Navsari, Surat.
Bhikaji Gadre, Janjira Murud,
Kolaba
Chikabhai Gulamali, near Three
Gates, Ahmedabad
Diwan & Co, Gadag, Dharwar Dt
Dhansukhlal M Soparivala, Lim-
da Chock, Surat

**BENGAL SOTTIE FOOD, only safeguard against child's LIVER, SPLEEN,
WORMS COMPLAINTS. Amulyadhan Pal, 113, Khongrapati St., Cal.**

Eshanally Ebrahimji, 1898, Blundell Rd., Poona Camp.
Esmail Bros., 387, Central St., Poona.

Hussen Stationery Mart, Janjlia Murud, Kolaba
Indian Trading Co., Sodagar Wada, Surat.

Joshi & Mandali, 16, Budhwai-peth, Poona 2.

Kelkar & Co., Nasik City.

Lallubhai U. Shah, Char Rasta, New Gate, Ahmedabad.

M. D. Vakalkar Bros., Budhwai-peth, Poona 2

M. G. Mapurkar, Janjlia Murud, Kolaba

M. Vadilal & Co., Richey Road, Ahmedabad.

Maharashtra Swadeshi Stores, Budhwai Peth, Poona City.

Punjala & Co., Juna Chabutara, Palanpur, Gujarat

Purkur Bros., Janjlia Murud, Kolaba, Bombay.

Ranglidas Bhagvandas & Bros., Bhagatalao, Surat.

Sadavarte Stationery Mart, Wai, Satna

Sohini Bros., Garanja, Nasik City
Surat Rangoon Store, Chawta Bridge, Surat

T. F. Fiamji & Sons, Sholapur
Tribhuvandas Purshottamdas & Co., Jalgaon, East Khandesh

CALCUTTA.

Ahsan Kaseem Bashir Ahmad, 13/2A, 13/3A, Canning St., Calcutta

Anundo Chunder Ghose, B 51 & 81, New Market, Calcutta. H. O. 10, Radhabazar St., Calcutta.

Anbhoy Bros., & Co., 7, Radha Bazar Lane, Calcutta.

Balubhai & Bros., 50, Canning Street, Calcutta.

Banerjee Bros., 15, Cornwallis Street, Calcutta.

Bharati Store, 86/4, Harrison Rd., Calcutta.

Binod & Co., 77, Radha Bazar St., Calcutta.

Butto Kristo Naegi & Co., Room No. 89, 14/2, Old China Bazar St., Calcutta. (Also Drawing & Surveying Instruments.)

Calcutta Envelope Manufacturing Co., 1, Lyons Range, Calcutta.

Calcutta Stationery Hall, 92, Radha Bazar St., Calcutta.

Chakravarty & Co., 87/2, College Street, Calcutta

Chakravarty Chatterjee & Co., 36, Canning St., Calcutta

Chemical Association, (Calcutta) Ltd., 35, Canning St., Calcutta.

Commercial Stationery & Printing Stores, 25/A, Swallow Lane, Calcutta.

Commercial Stationery Mart, 19/C/2, Bow Bazar St., Cal.

D. N. Bhattacharjee & Sons, 29, 31, & 33, Canning St., Cal.

D. P. G. & Sons, 12, Jackson Lane, Calcutta. Agts.—M. Bagh & Co

Dass Brothers & Co., 78, Radha Bazar Street, Calcutta.

Day & Co., 75, Radha Bazar St., Calcutta.

Demalik & Sons, 11B, Ramprosad Shaha's Lane, Calcutta.

Deva Agency, A 39, 40 & 41, S. S. Hogg Market, Calcutta.

Dhai Brothers (Regd.), 82, Harrison Road, Calcutta.



"Whytal"

SWADESHI PRODUCTS OF QUALITY CROWN SHOE DRESSINGS.



"Crown-White."



"Crocol."



"Crown Shoe Cream."

Chemical Association (Calcutta) Ltd.,

55, CANNING STREET, CALCUTTA.

- Durga Stores Ltd., 31, Ashutosh Mukherjee Rd., Bhowanipore, Calcutta. (Also Fountain Pen Repairing).
- Dutta Brothers, 70, Canning Str., Calcutta.
- E. B. Bros. & Co, 108, Canning St., Calcutta.
- East Bengal Society, 87/2, College Street, Calcutta.
- Eastern Merchants (Estd. 1920), 14, Old Court House Lane, Cal.
- Eveready Stores, 88-1, Harrison Road, Calcutta
- G Dey & Co, 13, Sattrughna Ghose Lane, Calcutta.
- Ganendra Kristo Nag & Son, 118, Old China Bazar Street, Calcutta
- Gaurechandra Paul, 71/4, Canning Street, Calcutta.
- Jhosh & Company, 9B, Ramanath Mazumdar St., Calcutta
- Hajee Md Jan Md Yaseen, 85, Colocota Street, Calcutta.
- Hare Krishna Adhikary, 42, Canning St., Calcutta
- Hiralal Dutta, Maniharipatti, Barrabazar, Calcutta.
- I S S D, Central Avenue (S), P O Dharamtala, Calcutta.
- Indian Pioneers Co., Ltd., Tower Block, College St. Market, Calcutta.
- Indian Stores, 69, Ashutosh Mukherjee Road, Calcutta.
- J Mayr, 1, Mission Row, Calcutta
- J N. Chunder & Bros, 14/2, Old China Bazar Street, Calcutta
- J Sur & Co, 3, Dalhousie Sq., East, Calcutta.
- Jhon & Co, 63A, Radha Bazar St., Calcutta.
- Josup Peer Mohamed & Co, Ltd., 48, Ezra Street, Calcutta.
- K C Chandra & Bros., 1, Old Court House Lane, Calcutta
- K D Gandhi Stores, 116 & 118, Ashutosh Mukherjee Road, Bhowanipur, Calcutta
- Karim Bux & Elahi Bux Bros., 58-3, Canning Street, Calcutta
- Kartor & Co, Room No. 5, Mehta Bldgs, Calcutta
- L H Emeny, Mercantile Bldg., Lal Bazar, Calcutta
- M. Bagh & Co, 12, Jackson Lane, Calcutta
- Factory.—5, Gopikristo Paul Lane, Calcutta.
- M Hashim M. Yashin, 42/7, Chandney Chowk St., Calcutta
- M R Day & Bros, 14/2, Old China Bazar St., Calcutta
- Mahboob Elahi & Co, 85, Canning Street, Calcutta
- Makhanlal Matilal, Maniharipatti, Barrabazar, Calcutta
- Mohamadally Jafarjee, 37/5, Canning Street, Calcutta
- Munshi Imam Ali Biswas, 21, R G Kar Road, Calcutta.
- N L Mallick & Co, A/31-32, Municipal Market, Calcutta
- Nandy Brothers, (Regd.), 31, Ashutosh Mukherjee Road, Bhowanipur, Calcutta.
- Nilmoney Halder & Co, 106, Radha Bazar Street, Calcutta
- Nilmoni Datta & Co., 80/3, Harrison Road, Calcutta.
- Oriental Stationery Supply Co. 3, Bentinck St., Calcutta
- P. Sur & Co., 14/2, Old China Bazar St., Calcutta. (Also Survey Instrument)
- Punjab Stores, 31, Ashutosh Mukherjee Road, Calcutta.
- Rahmuddin H Abdul Karim, 81/82, Lower Chitpur Rd., Cal.
- Roy Coomarr & Co, 22, Sukea Lane, Calcutta
- Roy Bros, 59/5, Canning St., Cal
- Ryan & Company, 3/1, Mangoe Lane, Calcutta
- S. C. Sen, 5/2, Raja Rajbhallav St., Calcutta.
- S K Roy & Co, 55/141, Canning St., Calcutta
- S K Shaw & Co, 25, 26, Canning Street, Calcutta
- Satyra Charan Banerjee & Co, 14/2, Old China Bazar St., Cal
- Seetal Chandra Banerjee & Co, 1, Sun Yat Sen Street, Calcutta.

Phone Cal 2820.

AUBHOY BROS. & CO.

PRINTERS, STATIONERS & CARDBOARD BOX DEALERS.

7, RADHA BAZAR LANE, CALCUTTA.

Sharma Banerjee & Co., 43, Strand Road, Calcutta.

Sinha Bros., P.86/A, Rash Behari Avenue, Calcutta.

Standard Stationery Mfrs. Ltd., 24, Bagmati Road, Calcutta.

Sterling House, 56, Radha Bazar Street, Calcutta.

Students Stores, 154, Old China Bazar Street, Calcutta.

Victoria Envelope Mfg. Co., 97, Butakkhana Road, Calcutta.

W. Newman & Co., Ltd., 3, Old Court House St., Calcutta.

Welldon Equipment Co., 116, Bow-bazar St., Calcutta.

Western Trading Corporation, 49, Lower Circular Rd., Calcutta.

Yacoub Bhai Yusufji, 19, Pollock Street, Calcutta.

CENTRAL PROVINCES.

Amir Ali Mulla Muiad Ali, Sadar Bazar, Raipur, C. P.

G. L. Sanghi, Andherdeo, Jubbulpore.

H. S. Sitha & Bros., Hoshangabad, (Brass Pen-Holder).

Kaderbhai Mohd. Ali, Itwara Bazar, Nagpur City.

Nectar Stationery Depot, Rifle Range, Akola, Bejar.

Pheerozshaw & Co., Neemuch Populai Stores, Tilak Rd., Nagpur City.

Radha Mohan Ramnarain, Lordganj, Jubbulpore.

Ramchand Vanjani, Satti Bazar, Raipur.

Shyam Stationery Mart, Andherdeo, Jubbulpore.

Tilakchand Jagjivan, Ghotia Bazar, Ellichpur Camp, Amraoti.

DELHI.

Calcutta Stores, Fountain, Chandni Chowk, Delhi.

E. D. Galgotia & Sons, Connaught Place, New Delhi; 34, The Mall, Simla.

Indigenous Stationery Manufacturing Stores, Chowri Bazar, Delhi.

Prem Stationery Works, Chaori Bazar, Dujana House, Delhi.

Printing & Stationery Mart, Jumma Masjid, Delhi.

Ramesh Limited, Kashmere Gate, Delhi.

Sarab Dayal & Co., D. Point, New Delhi.

W. D. & Anis Bros., Katra Bazar, Delhi.

INDIAN STATES.

Amulakhiai M. Munshi & Co., Raopura, Baroda.

B. V. R. Balasreddy & Co., Secunderabad, Deccan.

Bombay Genl. Stores, Chowgan, Kotah.

C. Amin & Company, Rao Pura Road, Baroda, Branches.—Sattidarwaja, Ujjain.

C. Subbarao & Sons, 79, Hulsorpet, Bangalore.

D. Nanubhai & Co., near Kothi, Baroda.

G. W. Khandekar, Juna Topkhana, Indore City.

Hyderabad Engineering House, Hyderabad, Deccan.

Indian Printer & Stationers, Raykot, Kathiawar.

Ismail Bohra, Ghanta Ghar, Udaipur, Mewar State.

Jain Bandhu Stationery Mart, Bada Sarafa, Indore City.

Jamalbhoi Kagzi, Bada Sarafa, Indore City.

Kikabhai Noorbhai & Sons, Bazar, Wadhwan Camp, Kathiawar.

Krishna & Co., Main Road, Attungal, Travancore.

Lundner & Co., Chickpet, Bangalore City; 6, Anderson Str., Madras.

M. A. Salam Abdul Mayad & Sons, Big Bazar, Bangalore.

Nathu Lal & Sons, Kote Gate, Bikaner.

Noor Mohd. Mamjibhai, Bada Chowk, Indore City.

Novelty Stores, Statue Sq., Mysore.

R. Ramchandra Prabhu & Sons, Ernakulam, Cochin State.

Rajasthan Pustak Mandir, Tripolia Bazar, Jaipur City.

Rising Sun & Co., Ajmere Gate, P.O. Box No. 12, Jaipur City.

S. S. Narayan Iyer, Pazhavanagady, Trivandrum, Travancore.

Sheo Narain Rampertap, Johri Bazar, Jaipur City.

Shrinivas Electric Press, Lansdowne Bldgs., Mysore.

BENGAL SOTTIE FOOD—Over 25 years it is highly recommended by medical profession for gastro-intestinal disorders.

Talak Chand Dharshi Doshi,
Rajkot Pura, Kathiawar.
Tayyab Ali Mulla Mohd. Ali,
Bada Sarafa, Indore City.
Trivedi Bros. & Co, Kathi Pole,
Baroda.
Union Stores, Indore City.
Vishnu Industrial Works, Vishnu
Niwas, Ladwada, Baroda.
Y V. S. Murthy & Brothers,
296-D, Subbiah Road, Mysore.

KARACHI.

Damodar Envelope Factory, Gar-
dengushi, Karachi.
Devidas Jethanand & Co, Opp
Gandhi Garden, Post Box 303,
Karachi.
Hasanand & Co., New Cloth Mar-
ket, Bunder Road, Karachi
Household Store, Elphinstone
Street, Camp, Karachi.
M G Sahani & Co, Karachi
R. B. Shivdasani & Bros., Bunder
Rd, Karachi
Rose & Co, Elphinstone Street,
Karachi
Royal Stores, Bunder Rd, Near
N J High School, Karachi
Sind Stationery Mart, Bunder
Road, Karachi
Tayabali Kadhuhoy Lotia & Co,
Rambarthi Road, Karachi,
Tulsidas Shivaji & Co, Napier
Rd., Karachi.

LAHORE.

C. Omar & Co, Post Box 149,
Lahore.
H M Chopra & Co, Anarkali,
Lahore.
L Pindi Dass Sahani, Ph Sta-
tionery Mart, Anarkali, Lahore.
Lahore Stationery Mart, Anar-
kali, Lahore.

MADRAS CITY.

A Rungiah Chetty & Co, 293,
Esplanade Row, Madras.
Angle & Co, 297, Esplanade Row,
Madras
E A Watch & Co, Ratan Bazar,
Madras.
K C. J. & Co, Washermanpet,
Madras (Button).
King & Co, 298, China Bazar
Road, Madras
Little Flower Co, "Hassan Build-
ings," 317, Linghee Chetty St.,
P.B 99, Madras

M. R. Chandia & Co, 295, 296,
Esplanade Row, G.T., Madras.
Madras Stationery Mart, Loane
Sq, Madras.
Madura Swadeshi Co., Ltd,
Manikatty Mandapam, West
Tower Str, Madras
Office Equipment Co, 2, Arme-
nian Street, Madras
P. Muthalandan Chetty & Co.,
Ratan Bazar, Madras
P S. Waiden & Co, 288, Espla-
nade, Madras.
S. Ranganatham Chetty & Bros.,
12, Bunder St, Madras
Stationery Emporium, 1, Arme-
nian St, G T, Madras.
V. Perumall Chetty & Sons, 5,
Stingers St, G T, Madras.

MADRAS PRESIDENCY.

Akhai & Sons, Big Market, Con-
jeeveeram
Appedurai Pillai, Pondicherry.
Bharathy & Co, Negapatam, S I.
Bombay Stores, Hampankatta,
Mangalore, S Kanara
Bombay Trading Co, Bezwada 2,
Kistna
Canara Stores, Gollikatta, Manga-
lore, S. Kanara.
City Press & Stationery Mart,
Cocanada, Godavary
Golden Industry, 933, Sowrashttra
Big Street, Kumbakonam, S I
Gupta Bros, Main Rd, Vizaga-
patam.
Kangolla Ramaswamy Sons,
Ellore, W. Godavary.
Krishna & Co., Pachayappa St.,
Kumbakonam, Tanjore
Krishna & Co, West Cai Street,
Chidambaram, S. Arcot
P. Velu & Co., Negapatam,
Tanjore.
Rajamani Stores, Kodaikanal,
Madura
Rodricks & Sons, Mangalore, S.
Kanara.
Sri Krishna & Co, Elode
Srinivas Bros, Cai Street, Manga-
lore, S Kanara
N. W. F. PROVINCE.
Sadhu Singh Sewa Singh, Dera
Ismail Khan
ORISSA.
Amal Stores, Nava Bazar, Bala-
sore.

BENGAL SOTTIE FOOD—A diet & medicine for Dyspepsia, Diarrhoea,
Dysentery, Mucous, Colitis, Acidity, Worms, Liver, Spleen, Scurvy.

B M. Ghose & Sons, Gazuri Market, Baripada
 Bangalakshmi Stores, Municipal Market, Puri
 Cuttack Emporium, Ranihat, Cuttack.
 Cuttack Store, Naya Sarak, Chandni Chowk, Cuttack
 Eastern Stores, Boxi Bazar, Cuttack.
 Kohinoor Stores, Buxi Bazar, Cuttack.
 Lotus Trading Co., Cantonment Road, Cuttack.
 Md Shafi Ahmed, Urdu Bazar, Kendrapara, Cuttack
 Mobarak Ali & Sons, Balubazar, Cuttack.
 Novelty Stores, Station Road, Balasore
 P Surayah Patto & Sons, Aska, Ganjam (Also Ammunition).
 Pujari Popular Stores, Jharuapara, Sambalpur
 Sadananda Panda, Jharuapara, Sambalpur.
 Sidha Sahoo & Sons, Chaulhaganj, Cuttack
 Utkal Stores, Boxi Bazar, Cuttack
 Victoria Store, Machhua Bazar, Cuttack

PUNJAB.

Azad Rozgar Agency, Railway Road, Kasur, Punjab.
 D. R Puri & Son, Gujrat.
 Goswami Bros, Rail Bazar, Lyallpur
 Hari Singh Gurbux Singh, near Thakurdas Gurdwara, Lyallpur.
 Hukamchand & Sons, Rawalpindi
 Jagdish Mitia & Co, Rawalpindi.
 Khwaja Stationery Mart, Khwaja Bldg, Khwaja Rd, Ludhiana
 Mehra & Co, Mall Rd, Simla.
 Milkhi Shah & Sons, Sialkot City
 Noor Mohammad Manzoor Mohammad, Opp Tehsil, Ludhiana.
 Punjab Stationery Mart, Durga Charan Road, Ambala Cantt.
 Rama & Co, Mall Rd, Simla
 S. A. Das & Sons, Kasauli Hills, Ambala Dt
 Sant Singh Sur & Co. Rawalpindi.
 Wazir Khan, Saddar Bazar. Ferozepore, Punjab

SIKKIM.

Khan Brothers, P. O. Gangtok, Sikkim.

SIND.

Azad Ink Factory, (Oriental Works), Laung Bazar, Hyderabad, Sind.
 Bosharam & Sons, Rutom P O. Shikarpur, Sind

UNITED PROVINCES.

Bareilly Stationery Mart, Nam Tal Road, Bareilly.
 Beni Madho Shambhoonath, Aminabad Park, Lucknow
 Bhaarat Swadeshi Parcharak, Pura, Fyzabad.
 Bholanath & Co, 30, Aminabad Park, Lucknow
 Bijadhar Ram Dwarika Ram, Azamgarh.
 Chimanlal Ganeshi Lal, Pasratta, Hathras.
 Chunnial Bamboo Lal, Pasratta, Hathras
 Factory Stores, Railway Road, Aligarh
 Gangaram Jogabhatt & Son, School Bazar, Almorah
 Govind Ram Sewaram, Mahabirganj, Aligarh
 Haigang Stationery Mart, 21, Lala Ka Bazar, Meerut
 Harsaian Dass & Son, Lala Ka Bazar, Meerut.
 Ideal Book Depot, Rajpur Road, Dehra Dun.
 Jugal Kishore & Bros, Paltan Bazar, Dehra Dun.
 Master Hiralal's Stationery Stores, Hira Building, Aligarh.
 Mirza Brothers, Askeiganj, Gorakhpur
 Mohd Rafi Mohd Hanif, Meston Road, Cawnpore.
 National Printing House, Khair Nagar Gate, Meerut, U. P.
 Oudh Stationery Mart, La Touche Road, Lucknow.
 Radhey Stationery Mart, Dariha Pan, Moradabad
 Raghunandan Prasad Mool Chand, Railway Road, Aligarh.
 Ram Charan Agarwal, 39, Aminabad Park, Lucknow.
 Ram Datt, Lala Bazar, Almorah.
 Students' Stores, near Tahsil, Meerut

BENGAL SOTTIE FOOD—Its efficacy and nutritive value can be found in the Indian Medical Record—December Number, 1923.

Umrao Ram Sheonath Prasad,
Azamgarh.

Universal Store, Pucca Bazar,
Basti.

STEAMSHIP COMPANIES.

(See under Shipping Information).

STEEL TRUNK MANUFACTURERS & DEALERS.

ASSAM.

Kastoori Chand Trunk Factory,
Gauhati.

BENGAL.

Indian Steel Trunk Manufactur-
ing Co., Muishidabad.

Swadeshi Steel Trunk & Iron Safe
Mnfg. Co, Jaiganj, Muishida-
bad.

BIHAR.

Masudan Bros., Nayabazar, Bha-
galpur.

BOMBAY CITY.

Hindu Trunk Mnfg. Co, Folk
Land Rd, 5th Cross Lane, Bom-
bay.

BOMBAY PRESIDENCY.

Himatlal Mohanlal, Dhariawad,
Cambay, Kana

Kadari Trunk Factory, Buanpur,
Bhagol, Surat

CALCUTTA.

Abani Stores, 129/130, Old China
Bazar St., Cal

Arya Bhandar, 90/2A, Harrison
Road, Y. M. C. A. Buildings,
Calcutta. Factory.—The Arya
Factory Ltd, 99-C, Garpar Road,
Calcutta

Arya Factory Ltd., 99-C, Garpar
Road, Calcutta. Show Room —
Arya Bhandar, 90/2A, Harrison
Road, Y. M. C. A. Buildings,
Calcutta

Bengal Iron Factory, 374, Upper
Chitpore Rd, Calcutta

Bijaya Factory (Cal.) Ltd, 48,
Harrison Road, Calcutta.

Bysack Factory, 3, Brajadul St.,
Calcutta.

Chowdhury Bros & Co, 99/4A,
Harrison Road, Y. M. C. A.
Buildings, Calcutta

E. B. Steel Trunk Co., 279 & 280,
Upper Chitpore Rd, Calcutta

Indian National Agency, 64,
Harrison Road, Calcutta.

Indian National Stores, 58/1,
Harrison Road, Calcutta.

J. Chowdhury & Co, 14, Old China
Bazar Str., Calcutta.

M. Husein & Co, 10, Old China
Bazar St., Calcutta

Meharkali Bhandar, 70, Harrison
Road, Calcutta.

N. K. Das, S/o. Late G. B. Das,
72, Harrison Road, Calcutta.

Nandy Stores, 156, Old China
Bazar Str, Calcutta.

National Stores, 48, Harrison Rd.,
Calcutta

National Trunk Mfg. Co., 12, Old
China Bazar Str., Calcutta.

New Aryan Store, 55, Harrison
Road, Calcutta

Raj Factory, 74, Harrison Road.
Calcutta

Ram Krishna Factory, 10, Madan
Boral Lane, Calcutta.

Shreechand Surana, 71, Old China
Bazar Str, Calcutta

Swaraj Bhandar, 47/1, Harrison
Road, Calcutta

INDIAN STATES.

Abdul Gaffoor Alancoor, Siaganj,
Indore City

Bhagvan Chetty & Co, Dooda-
pet, Mysore

Hasanalli Alibhai, Rajkot Pura,
Kathiawar.

Karimbax Haji Alabux, Shiwa-
ganj, Indore City.

Mohd Umar, Manek Chowk, Rai-
lam.

Mysore Metal Industries Ltd.,
Bangalore.

Samsudin Tajbhai, Rajkot Pura,
Kathiawar

MADRAS CITY.

S. Syed Butcha Saheb, 849, Ex-
planade Rd, Madras

MADRAS PRESIDENCY.

Negapatam Imperial Steel Trunk
Works, Negapatam, Tanjore

Negapatam Indian Steel Trunk
Factory, Holland Rd., Opp Rv.
Stn Negapatam, Tanjore.

BENGAL SOTTIE FOOD—Readily digested when other foods cannot be
tolerated. Manufactured by Amulyadhan Pal, 113, Khongrapatti St., Cal.

Y. B 64.

ORISSA.

Stal Factory, Narayasarak,
Cuttack (Also Surt Cases, etc).

PUNJAB.

Allibhoy Valljee & Sons, Alvi
Works, Multan Cantt.
Kunni Bios, Saigodha, Punjab
L. Arjan Dass, Saigodha, Punjab

M. K. Sherwani & Bros., Sargo-
dha, Punjab.
Roop Lall Madan Lall, Sargodha.
Seth Mohd Ali & Bros, Sargodha,
Sialkot Trunk House, Cart Rd.,
Simla.

UNITED PROVINCES.

Oudh Steel Trunk Factory,
Aminabad, Lucknow.

STOCK AND SHARE BROKERS.

BOMBAY.

Amritlal Popatbhai & Co, Aga-
khan Building, Dalal St, Fort,
Bombay.
Bathiyala & Karoni, Dalal Street,
Fort, Bombay.
C. N. Vandrewalla & Co., 18,
Share Bazar Bldg, Apollo St.
Fort, Bombay
Chugondas & Co, 17, Elphinstone
Circle, Fort, Bombay
Govindji Ratansi Mulji, Feltham
House, Ballard Estate, Fort,
Bombay.
J Jagmohandas Kapadia, Aga-
khan Bldg, Dalal St. Fort,
Bombay.
J. Tricunrdas Doshi, Share Bzar,
Dalal Street, Bombay.
Karamchand Chunilal, Suram
Mansion, Sandhurst Road,
Bombay.
Mansukhlal Sukhlal Tarwala. 48,
Maiwari Bazar, Bombay.
Narayandas Umednam, Patwa
Chawl, Zaveri Bazar, Bombay.
Narberham Harskhchand, Aga-
khan Building, Dalal Street,
Bombay
Pantal Parmanand, Share
Bazar, Dalal Street, Bombay.
Piernchand Roychand & Sons
Ltd, Apollo Street, Fort,
Bombay
Purshottam Pranvallubh & Co,
Dalal St, Share Bazar, Bombay
Umakant Shrirang Desai, Aga
Khan Building, 26, Dalal Street,
Fort, Bombay.

BOMBAY PRESIDENCY.

Babubhai Hirallal & Co., Kanpith
Bazar, Surat
Damodeidas Chunilal & Co,
Kelapith, Surat
Girdharlal Chhaganlal, Shahpur,
Rangula Pole, Ahmedabad

Gokuldas Mangaldas, Madan
Gopal's Haveli, Ahmedabad.
Jethalal Chunilal, Pakhal Pole,
Raipuri, Ahmedabad.
Purushottamdas Goidhandas,
Mandavi's St, Samet Sikhar
Pole, Ahmedabad.
Sankalchand Amritlal, Sankadi
Sheel, Khijada Pole, Ahmedabad.
Sarabhai Dahyabhai Sheth, Ratan
pole, Ahmedabad.
Somabhai Hinchand Vakli, Samet
Sikhar Pole, Ahmedabad.
Vadilal Jesingbhai, Zaveriward,
Patani Khadaki, Ahmedabad

CALCUTTA.

Bengal Share Dealers' Syndicate,
3 & 1, Hare St, Calcutta
Bhaniram Bhalotia, 7, Lyons
Range, Calcutta
Bissendyal Daysaram, 1, Lyons
Range, Calcutta
Bombay Share Dealers' Syndicate,
3 & 4, Hare Street, Calcutta.
Buldeodas Rameshwai, 7, Lyons
Range, Calcutta
Calcutta Brokers Ltd, 2, Royal
Exchange Place, Calcutta.
Calcutta Share Dealers Association,
162, Bowbazar Street, Cal
Calcutta Share & Security Ex-
change Ltd, 2, Lyons Range, Cal
Damodar Chowbay & Co, 7,
Lyons Range, Calcutta.
Ganput Ray Kayan & Co, 7,
Lyons Range, Calcutta
Hamed Haji Umer & Co, 2,
Royal Exchange Place, Calcutta.
Investment Exchange, 102/1, Olive
Street, Calcutta.
Iswardas Beniprasad, 22/1, Madan
Chatterjee Lane, Calcutta.
Joharmull Daga & Co, 6, Garan-
hatta Bye Lane, Calcutta
Mitra Banerjee & Co, 7, Lyons
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(2) Mr. N. R. Mukherji, M.A., LL.B., Advocate, Jhansi (U.P.), says:—"I thank you for your letter dated 29th December, 1936, and greatly appreciate your success in selling off the shares on profit. It comes as a New Year's present to me from you and let me thank you again for it. This has given a great impetus to me and to my friends who are now inclined to get interested in future deals. I shall be obliged if you please suggest some other shares for our next deal keeping in view of our limited capital outlay."

"Leader" the widely circulated U. P. paper, says—

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 Nandy & Co., 7, Lyons Range, Calcutta.
 Place Siddons & Gough, 6, Lyons Range, Calcutta.
 Purushottum Choubey, 7, Lyons Range, Calcutta.
 R. K. Chatterjee & Co., 9, Royal Exchange Place, Calcutta.
 S. N. Banerjee & Co., 22, Radha Bazar Street, Calcutta.
 Sham Lal Laha & Co., 7, Lyons Range, Calcutta.
 Toolsey Dass Roy & Bros., 7, Lyons Range, Calcutta.
 U. Rai Chaturvedi, 7, Lyons Range, Calcutta.
 Vithaldass Hargovind, 7, Lyons Range, Calcutta.

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 Gendalal Surajmal, Bada Sarafa, Indore City.
 Muthralal Gendalal, Bada Sarafa, Indore City.

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 Chari & Co., 4, Kondi Chetty Street, Madras.
 Dalal & Co., National Insurance Bldg., Esplanade, Madras.
 Huson Todd & Co., Madras.
 Kotnari & Sons, Oriental Bldgs, Armenian Street Madras.
 Maconochie & Co., Mercantile Bank Bldgs., Madras.
 Trojan & Co., Hindusthan Bldgs, Armenian Street, Madras.
 Wright & Co., 121, Armenian Street, Madras.

PUNJAB.
 Ch. Bhagat Ram & Sons, Lawrence Road, Rawalpindi.
 Punjab Share Dealers Syndicate, Amritsar.

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Pakur Quarries Ltd., 100, Clive St., Calcutta.

Wah Stone & Lime Quarry Ltd, Ravi Road, Lahore.

STONEWARE DEALERS.

Charan Das & Sons, Chowk, Chunar.
 Charu Charan Dutt, Rajpur, Sonarpur, 24-Pargas. (Stone Importer).
 Government Stoneware Works, Chalakudi, (South India).

Hanuman Prosad & Co, Chowk Chunar.
 Mirzapur Stone & Trading Co, Mirzapur.
 Radhanath Das, 250, Kalighat Rd, Calcutta. (Stone utensils).
 S. N. Bros., 1, Gourdas Basak St. Barabazar, Calcutta.

STOVE MANUFACTURERS.

Bengal Chemical & Pharmaceutical Works, 94, Chittaranjan Avenue, Calcutta.

Lalu Kacharami & Sons, Anjar, Patni Bazar, Cuttack.
 Silpa Peeth, 100, Gopal Thakur Road, Alambazar, Calcutta.

STRAW BOARD MANUFACTURERS.

(See under Paste & Straw Board Manufacturers).

SUGAR MACHINERY DEALERS.

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 Bapat Bros., Shastri Hall, Bombay 7.
 Berv Bros., 15, Clive St., Calcutta.
 Burn & Co., 12C, Mission Row, Calcutta.

Duncan Stewart & Co, Representative R. H. Khan, Cawnpore.
 F. K. Chand Dass Mistry, 143-144, Bellios Road, Howrah.
 G. K. Pradhan & Co., 43, Forbes Street, Fort, Bombay.
 Graves Cotton & Co., Ltd., 1, Forbes Str., Bombay.

POPULAR SPORTS LTD., 22/1, Chowringhee, Calcutta, Makers of High Class Cricket Bats, Balls, Boots, Gauntlets, Gloves, Pads, &c.

H. R. Brothers & Co., 81A-C,
Bechu Chatterjee St., Calcutta.
Keshab Chandra Banerjee, 130,
Bellios Road, Howrah.
Kodasa Engineering Co, Nainital
Road, Bareilly.
Krupp-Wolf, Indian Textile
Agency Ltd., Post Box 111,
Cawnpore.
Lloyds Engineering Works, 190,
Bellios Road, Howrah.
Masseys (1930) Ltd, Royapuram,
Madras.
Mather & Platt, 7, Hale St, Cal
Mirrlees Watson Co, Ltd, 28,
Grosvenor House, 21, Old

Court House St., Calcutta.
Monohar Chakraverty, 55, Chat-
terjee Para Lane, Howrah.
Mookerjee & Co., Rampuria
Chambers, 10, Clive Row, Cal.
Mousell & Co., Ltd, Mercantile
Buildings, Lal Bazar, Calcutta
Perumall Naidu, K. Palayam,
Arni, N. Arcot.
Reliable Engineering Co., 97/1,
Clive St., Calcutta.
W. J. Alcock & Co., 7, Hastings
Str., Calcutta.
Western India Industries, 137,
Canning St., Calcutta.

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(Also see Sugar Mills).

ASSAM.

Umaduth Hanumanbux, Soibhog,
Kamrup.

BENGAL.

A. N. Saha, Ulipur, Rangpur.
Bishnupada Chowdhury, Rejma-
gar, Dadpur, Murshidabad.
Chunilal Tilakchand, Islampur,
Mymensingh
Mahabharat Abani Mohan Saha,
Sirajgunj, Pabna.
Rai Saheb B. C. Banerjee, Rohan-
pur, Malda

BIHAR.

Ramgulam Sah Naubat Ram,
Maharajgunj, Saran Dt (B N
W. Ry).
Khemka & Sons Ltd., Bhagalpur
City.

BOMBAY CITY.

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Bldg, Home St, Fort, Bombay.
Lala Rampershad Mithanlal &
Co, C. P. Tank Road, Corner,
Bombay.

BOMBAY PRESIDENCY.

Chhotalal Chhaganlal, Sarkar
Bazar, Ahmedabad.
Chotalal Dhanji Shah, Station
Road, Nadiad, Kaira
Pitambardas Lalubhai, Sakar
Bazar, Ahmedabad.

CALCUTTA.

A. R. Osman, 2, Raj Mohan St.,
Calcutta.
Chanan Mull Seish Mull, 173,
Harrison Rd., Calcutta.
Mitsui Bussan Kaisha Ltd., 100,
Clive St., Calcutta.
Sir Sarupchand Hukumchand &
Co, 30, Clive St., Calcutta.

INDIAN STATES.

A. H. Bhawandiwalla, Near Impe-
rial Bank, Rajkot, Kathiawar.
Chhaganlal Bhani, Berthon Sq.,
Jamnagar, Kathiawar.
Girdharilal Chhaganlal, Ranjit
Rd., Jamnagar, Kathiawar.
Haji Hasan Haji Kasam, Rajkot
Pura, Kathiawar.

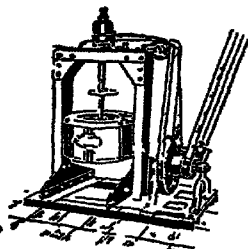
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Para, Jamnagar, Kathiawar.
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Bundi.
Shah Nanchand Anandji, Dana-
pith, Bhavnagar, (Kathiawar)
Vela Pamoo, Berthon Sq, Jam-
nagar, Kathiawar.

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Bhojraj Jethanand, Marriott Rd.
Karachi
Haji Abdooli Hatoon, Napier Rd.
Karachi.
Hoosenbhoy Karingjee & Sons,
Napier Rd., Karachi
Parsiam Patumal, Jodia Bazar,
Karachi
Salleh Mohamed Oomer Dosai,
Dosalan Bldg, Napier Rd.
Karachi
Shiwji Jadhwi & Co, Jodia Ba-
zar, Karachi

MADRAS

Parry & Co, Madras
Ranganatham & Co. Ltd., Arme-
nian Street, Madras.

MADRAS PRESIDENCY.

Combatoire Lakshmi Sugar Mills
Ltd, Podanur, S India
M. L. K. M. L. Abdul Salem
Sahib & Co, Kardakara St,
Kumbakonath, Tanjore
P. T. Margabondu Chettyai, Vel-
lore.

PUNJAB

Bholanath Shivdatt Rai, Guigaon,

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All India Sugar Mills Ltd, Katwa,
Burdwan Office 135, Canning
Street, Calcutta.
Bandhab Sugar Mills Ltd, Nara-
yangon, E Bengal.
Darshana (Nuddea) Sugar Mills
Ltd, Office, 8/2, Hastings Street,
Calcutta Factory Darshana,
Nuddea & Garh Banaili, Pur-
nea.
Desh Bandhu Sugar Mills Ltd.
Charsindhur, Dacca. Office: 6,
Patuatuly, Dacca.
Deshpriya Sugar Mill Ltd, 20,

Sewaram Daldas, Fentongun,
Jullundur City.

UNITED PROVINCES.

Achambhey Lal Gendalal, Farruk-
habad.
Babulal Rukmanand, Gurhhae,
Hathras.
Fakir Chand Shiv Nandan, Moh.
Nathu Ram, Kasganj.
Hanuman Das, Narain Dass,
Chowk, Allahabad.
Ishwari Pd Bansidhar, Etah
Jagannath Sahu Mahadeo Pd,
Nawabganj, Ghazipur.
Kishanlal Babu Lal, Moh Nathu
Ram, Kasganj.
Laxmi Narain Bulaqi Das, Farru-
khabad, U P.
Mahabub Prasad Hanumandas,
Maunathbhanjan, Azamgarh Dt.
Mathura Pd Chiranjilal, Nitgan-
ja, Farrukhabad.
Mohan Ram Dunggoo Ram, Na-
wabganj, Ghazipur, U. P.
Mulidhar Bagla, Gurhhae, Hath-
ras
Pannalal Janki Prasad, Etah.
Raj Narain Piag Narain, Farru-
khabad.
Ramkunwar Jwala Pershad,
Gurhhae, Hathras.
Ramlal Harcharan Das, Gurhhae,
Hathras
Ramlal Hulas Rai, Mohalla Na-
wab, Kasganj.
Sahodar Chand Narsingh Bhan-
sadhwa, Farrukhabad, U. P.
Shri Diwan Sugar Mills, Sakhot-
Tanda, Meerut Dt.

Strand Road, Calcutta. (Mill
side—Guptipara, Hooghly).
Kotchandpur Sugar Works, P.O.
Kotchandpur, Jessore Dt.
North Bengal Sugar Mills Co. Ltd.
Gopalpur, Rajshahi M/A—
Soorajmull Nagar Mull, 61,
Harrison Road, Calcutta.
Setabganj Sugar Mills, Setab-
ganj, Dinapur, M/A. Sooraj-
mull Nagarmull, 61, Harrison
Rd, Calcutta.
Sree Radha Krishna Sugar Mills
Ltd, Beldanga, Murshidabad.
H.O. 138, Harrison Road, Cal-
cutta.

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Bharat Sugai Mills Ltd, Sidh-walia, Saran. M/A. Bula Bros. Ltd, 8, Royal Exchange Place, Calcutta.

Bihar Sugar Works, Pachrukhi, Saran. M/A. Bakubhai Ambhal & Co, 27, Bastion Road, Fort, Bombay.

Champaian Sugai Co, Barachakia, Champaran. M/A Begg, Sutherland & Co, P. B. 21, Cawnpore

Chanpatia Sugar Factory of Champaian Sugar Co. Ltd, Chanpatia, Champaian. M/A Begg, Sutherland & Co., P.O. Box 21, Cawnpore.

Dalsinghsaran Sugai Works Ltd. Samastipur, Darbhanga.

Dumiaon Raj Sugai Factory, Bikramganj, Sahabad. H. O. Dumiaon.

Ganga Deshi Sugar Factory Ltd. Buxar, Sahabad. M/A. B. N. Brotheis & Sons, Dumiaon.

Gaya Sugar Mills Ltd., Gurarn Mills P.O., Gaya Dt.

Ghosi Sugai Mills, P. O. Ghosi, Gaya

Harinagai Sugai Mills Ltd, Ramnagar, Champaran. M/A. Narayanlal Bansilal, 207, Kalbadevi Road, Bombay 2.

Indian Sugai Works, Ltd, Siwan. Saran Prop., Moulvi Mohd. Abdul Razzaque & Ois.

Japaha Sugar Factory, Japaha. Muzaffarpur.

Lohat Sugar Works of Daibhanga Sugai Co, Ltd, Lohat, Daibhanga M/A. Octavius Steel Co, Ltd, Old Court House St. Calcutta.

Maharajganj Sugai Co. Ltd, Maharajganj, Champaran

Marhowiah Sugai Factory of Cawnpore Sugai Works, Ltd, Marhowiah, Saran M/A. Begg, Sutherland & Co. Cawnpore

Motilal Padampat Sugar Mills Co, Ltd., Majhaowlia, Champaran

Motipur Sugar Works, Motipur, Muzaffarpur. M/A. Motipur Zymindary Co, A. R. Osman & Co, 2, Rajmohan St., Calcutta. New Savan Sugar & Gur Refining Co, Ltd, Savan, Saran. M/A. Andrew Yule & Co. 8, Clive Row, Calcutta.

New Sugai Mills Ltd. Hasanpur, Daibhanga.

New Swadeshi Sugar Mills Ltd., Narkatiaganj, Champaian M/A. Bula Bros, Ltd, 2nd Floor, Esplanade Road, Fort, Bombay.

Popular Sugar Co, Bahni.

Pusa Sugai Factory, Pusa, Champaian.

Puntabpoie Sugar Co, Ltd, Chapra, Saran, M/A Begg, Sutherland & Co, P B 21, Cawnpore

Ryam Sugar Works Ltd, Ryam, Daibhanga. M/A. Begg, Sutherland & Co, Cawnpore.

Saganh Sugar Factory, Saganli, Champaran.

Sakri Sugai Mills, Sakri, Daibhanga.

Samastipur Sugai Works, Ltd., Samastipur, Daibhanga, M/A. Begg, Sutherland & Co. Ltd. P B 21, Cawnpore

Sasa Musa Sugar Factory, Sasa Musa, Saran.

Semapur Sugai Co Ltd, Semapur, Purnea. M/A. Octavius Steel Co, Ltd, Old Court House Str., Calcutta.

Shree Hanuman Sugar Mills Ltd., 178, Harrison Road, Calcutta. Factory at Motihari, Dist. Saran, B & N W Ry.

Shree Lakshmi Narayan Sugai Works, Nimahi, Bhagalpur.

Sitalpur Sugar Works, Ltd, Sitalpur, Champaran.

South Behar Sugar Mills Ltd, Bihta, Patna M/A. Nirmal Kumar Jain & Co., Ariah.

Sree Krishna Gyanoday Sugar Mills, Hathwa, Saran.

Vishnu Sugar Mills, Harkhua, Saran M/A Bilasai Bansilal & Co, Agakhan Building, Dalal Street, Bombay.

BOMBAY PRESIDENCY.

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POPULAR SPORTS LTD., 22/1, Chowringhee, Calcutta, Makers of High Class Hockey Sticks approved by Dhyan Chand, The Hockey Wizard.

Kolhapur Sugar Mills, Kolhapur, M/A. Sirgao Kar Bros
 Maharashtra Sugar Mills Ltd., Belapur Rd., Ahmadnagar, Prop. M. L. Dahanukar & Co., Ltd., Kalbadevi Rd., Bombay.
 Marsland Price & Co., Kalamh, Poona. M/A. Premier Construction Co., Ltd., Phoenix Bldg., Ballard Estate, Bombay.
 Phalton Sugar Works, Pimpalwadi, Satara. M/A Kilachand Devchand, Apollo St., Bombay.
 Ravalgaon Sugar Farm Ltd., Ravalgaon, Nasik. M/A. Walchand & Co., Phoenix Building, Ballard Estate, Bombay.
 Saswad Mah Sugar Factory Ltd., Akluj, Sholapur.

CALCUTTA.

Banga Luxmi Sugar Mills Ltd., 102/1, Clive Street, Calcutta.
 Diamond Sugar Mills Ltd., 10, Clive Row, Calcutta.

INDIAN STATES.

Jagatjit Sugar Mills Co. Ltd., Phagwara, Kapurthala State, M/A. Narang Bros. Co., Ltd., 3, Montgomery Road, Lahore.

Kolhapur Sugar Mills, Ltd., Kolhapur-Shahupuri.

Mysore Sugar Co., Mysore
 Raza Sugar Factory, Rampur State.

Travancore Sugar Ltd., Thuckalay, Trivandrum, M/A Vinayaka Kumar & Co.

MADRAS PRESIDENCY.

AL Vr. St. Sugar Mills & New Distillery, Tachanallur, Tinnevely.

Deccan Sugar & Abkari Co., Ltd., Samalkota, Gadavari. M/A. Parry & Co., Madras.

East India Distillery & Sugar Factories Ltd., Nellikuppam, S Arcot. M/A. Parry & Co., Madras.

Etikoppaka Sugar Factory, Etikoppaka, Vizagapatam

Hospet Sugar Mills Ltd., Hospet, Bellary. M/A. Johnson & Co.,

India Sugars & Refineries Ltd., Hospet, Bellary Dt. Mg. Agent, V. V. Ramalingam.

Shree Ram Sugar Factory, Podanur, Coimbatore

Vizagapatam Sugars & Refinery Ltd., P. O. Tummapala, Via Anakapalle, Vizagapatam Dt.
 Vuyyur Sugar Factory, Vuyyur, Kistna Dt., Madras Freecy.

ORISSA.

Aska Sugar Works, Aska, Ganjam

PUNJAB.

Amritsar Sugar Mills Co., Ltd., Amritsar

Arya Sugar Mills, Dinanagar, Gurdaspur.

Basti Sugar Mills Co. Ltd., Montgomery Road, Lahore

Bhalwal Sugar Mills Ltd., Bhalwal, Shahpur.

Gujranwalla Sugar Mills Ltd., Rahwali, Gujranwalla

Lakshmi Sugar & Oil Mills Ltd., Chatwind Gate, Amritsar

Nawabganj Sugar Mills Co. Ltd., 3, Montgomery Road, Lahore

Phulerwan Sugar & Oil Mills Ltd., Phulerwan, Saigodha

Punjab Sugar Corporation Ltd., Sonapat, Rohtak, M/A Ganesh Flour Mills, Delhi.

Punjab National Sugar Mills Ltd., Lyallpur.

Punjab Sugar Mills Co. Ltd., 5, Montgomery Road, Lahore

Saraswati Sugar Syndicate, Ltd., Temple Road, Lahore.

Shree Guru Arjundev Sugar Mills, Butari, Amritsar.

Unao Sugar Mills, Unao. 1, Canal Bank Road, Lahore. Lessee

Mr. S. B. Chaudhri, B.A.

SIND.

Pioneer Sind Sugar Mills Co., Ltd., Pritamabad, Nawabshah.

UNITED PROVINCES.

Aira Sugar Factory, P. O. Aira Estate, Khamaria, Kheri

Bajunath Balmukund Sugar Factory, Anwarganj, Cawnpore.

Balarampur Sugar Co., Ltd., Balarampur, Gonda M/A Begg

Sutherland & Co., Ltd., Cawnpore.

Bareilly Sugar Works, Bareilly, M/A. Ram Narain Ram, Bha-

rossay, Bareilly.

Basti Sugar Mills Co., Ltd., Basti, M/A Narang Bros. & Co., Ltd., Montgomery Rd., Lahore

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- Campierganj Sugar Mills Ltd., Campierganj, Gorakhpur.
- Cawnpore Sugar Works Ltd., Gauri Bazar, Gorakhpur. M/A Beggs, Sutherland & Co., Cawnpore.
- Daurala Sugar Works, Daurala, Meerut Dt.
- Delhi Sugar Mills Ltd., Mohindpur, Muzaffarnagar. M/A. Krishna Sugar Syndicate, Delhi.
- Dhampur Sugar Mills Ltd., Dhampur, Bijnor Prop. H. R. Sugar Factory, Bareilly.
- Diamond Sugar Mills Ltd., Pipraich, Gorakhpur, M/A Murarka & Sons Ltd., 10, Clive Row, Calcutta.
- Experimental Sugar Factory, Attached to the Imperial Institute of Sugar Technology, Nawabganj, Cawnpore.
- Ganesh Sugar Mills Ltd., Phaulenda, Gorakhpur, M/A Poddai Jajpurna & Co., P23, Vivekananda Rd., Calcutta.
- Ganga Sugar Corporation Ltd., Deoband, Saharanpur H. O. 17-A, McLeod Street, Lahore.
- H. R. Sugar Factory, Nekpur, Bareilly.
- Hanmat Sugar Mills, Deoria, Gorakhpur.
- Hindusthan Sugar Mills, Golago karananath, Kheri M/A. Baachraj & Co., Ltd., Kalbadevi Rd., Bombay.
- Inchram Sugar Factory, Meerut.
- Indra Sugar Works, Meerut. M/A Jucharam & Co., Meerut.
- Ishwari Khetan Sugar Mills Ltd., Lakshmiganj, Gorakhpur.
- Jagdish Sugar Mills Ltd., Rly. Stn Kathkuiyan, P O Padrauna, Gorakhpur Dt.
- Jailakshmi Sugar Co., Ltd., Dolwala, Dehra Dun, E I Ry.
- Jaswant Sugar Mills, Mailhana, Meerut.
- Jwalapur Sugar Factory, Jwalapur, Saharanpur.
- Kamlapat Motilal Gutarya Sugar Mills, Chatat Mohal, Cawnpore.
- Kesari Sugar Works, Baheri, Bareilly. M/A. Vilachand Daychand & Co., Allahabad Bank Bldg, Bombay.
- Khandke Sugar Mills Ltd., Baheri, Bareilly.
- L. H. Sugar Factory & Oil Mills Ltd., Pibbhit.
- Lakshmi Devi Sugar Mills Ltd., Chhitauni, Gorakhpur, U. P.
- Lakshmi Sugar Mills Co., Maholi, Sitapur Prop. Rai Bahadur Seth Ajaydhyia Pd., Anarkali, Lahore.
- Lakshmi Sugar Mills Ltd., Chhitauni, Gorakhpur.
- Lucknow Sugar Works, Aish Bagh, Lucknow.
- Madho Kanbaya Mahesh Gauri Sugar Mills, Ltd., Munderwa, Basti.
- Mahabir Sugar Mills Ltd., Siswa Bazar, Gorakhpur.
- Maheshwari Khetan Sugar Mills Ltd., Ramkola, Gorakhpur.
- Mid Farooq Sugar Mills, Campitgunj, Gorakhpur.
- Modi Sugar Mills Ltd., Begambad, Meerut.
- Nawabganj Sugar Mills Co. Ltd., Nawabganj, Gonda.
- Noori Sugar Works, Bhatni, Gorakhpur. Prop. Noor Main & Co., Siwan.
- Oudh Sugar Mills, Hargaoon, Sitapur Birla Bros., Ltd., Jehangir Wadia Building, Esplanade Rd., Bombay.
- Padrauna Raj Krishna Sugar Works, Padrauna, Gorakhpur.
- Pipraich Sugar Mills Ltd., Pipraich, Gorakhpur, Prop. Mian Jawad Ali Shah, Mian Bazar, Gorakhpur.
- Popular Sugar Co. Ltd., Barhni, (B. N. W. R.), P. O. Ramdaganj, Dist. Basti. M/A Narang & Co., Ltd., Basti.
- Prag Sugar Factory, Kiccha, Nainital.
- Punjab Sugar Mills Co., Ltd., Ghughli, Gorakhpur H. O. 3, Montgomery Road, Lahore.

POPULAR SPORTS LTD., 22/1, Chowringhee, Calcutta, Makers of High Class Hockey Ball Guaranteed to retain shape to the last.

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 Ratna Sugar Mills Co, Ltd, Shahganj, Jaunpur. M/A Kashi Prosad & Co, 107, Streatt Field Road, Benares
 Raza Sugar Company Ltd, Roshan Bagh, Rampur M/A. Govan Bios. (Rampur), Ltd, The Mall, Rampur, U P.
 Rosa Sugar Works & Distillery, Rosa, Shahjahanpur. M/A. Lyall Marshall & Co, 5, Council House Street, Calcutta.
 Saraswati Sugar Syndicate Ltd, Neoli Sugar Factory, P O Neoli, Etah Dt.
 Saraya Sugar Factory, Saidainagar, Gorakhpur.
 Seksaria Sugar Mills Ltd, Babhnani Dt Gonda M/A Govindram Ramnath & Co, 18, Mullick Street, Calcutta
 Seth Gulzaimul Ram Chand Sugar Mills, Jarwal Road, Bahraich, U P.
 Shankai Sugar Mills Ltd, Captainganj, Gorakhpur.
 Shree Krishna Deshi Sugar Works, Jushi, Allahabad.
 Shree Sitaram Sugar Co, Ltd, Baitalpur, Gorakhpur M/A. Karamchand Thapper & Bios. 5, Royal Exchange Place, Cal.

Sumbhaoli Sugar Mills Ltd, Sumbhaoli, E I Ry.
 Shuromani Sugar Mills Ltd, Khalilabad, Gorakhpur, Hd Office. Banda (U. P)
 Tribeni Deshi Sugar Works, Naini, Allahabad Prop, Lala Kanhiya Lal, Naini, Allahabad
 Union India Sugar Mills Ltd, Nawabganj, Cawnpore Kamla-pat Motilal, Cooperganj, Cawnpore.
 United Provinces Sugar Co, Ltd, Bubnowlia, Gorakhpur M/A. James Finlay & Co, Ltd, 1, Clive Street, Calcutta
 U P. Co-operative Sugar Factory, Biswan, Sitapur.
 Upper Doab Sugar Mills Ltd, Shamli, Muzaffarpur M/A Hariraj Swaiup & Rajendra Lal & Bros, Muzaffarnagar
 Upper Ganges Sugar Mills, Seohara, Bijnor. M/A Bula Bios, Ltd, 8, Royal Exchange Place, Calcutta
 Upper India Sugar Mills Ltd, Khatauli, Muzaffarnagar
 Upper Jumna Swadeshi Sugar Mills Ltd, Mansuipur, Muzaffarnagar
 Vishnuprotap Sugar Works, Ltd, Khadda, Gorakhpur. M/A Rai Bahadur Jagdish Narayan Singh, Padiarna, Gorakhpur

SUNDRY GOODS DEALERS.

BIHAR

Cotton Industries Institute, Patna.
 Patna Trading Co, Moradpore Patna

BOMBAY CITY.

Dayton Price Co, Ltd, Post Box No 773, Bombay.
 H D. Nariman Bros, Nariman House, 269, Mohar Street, West Dhobi Talao, Bombay (Norman Cloth Stamping Paste).
 Omersee Kesowjee & Co., Post Box No. 1, Bombay. Head Office — Cannanore, Br — Cal-

cut, Tellicherry & Mangalore
 S Rose & Co, Ltd, Fort, Bombay
 Sorabji Nowraj & Co, 373, Hornby Road, Fort, Bombay Br — Singapore.

BOMBAY PRESIDENCY.

Tansen House Ltd, Jalalpur, Guyrat (Betel tablets and pills)
 Searchlight Dairy Farm, Anand P. O., B. B. & C. I. Ry. (Casein & Glue Powder).

CALCUTTA.

Dhar Adhikari & Co, 9-2, Nussing Lane, (Off Amheist St), Cal

Casein & Glue Powder

of Guaranteed Superfine Quality for use in medicines, bootpolish, brushes, paint, boxes, crayons, cigarettes, tanning, sizing, calico printing, etc.

Manufactured by—

SEARCHLIGHT DAIRY FARM, Anand, B.B & C.I. Ry.

Indo-Foreign Agency, 14/2, Old China Bazar Street, Calcutta. (Exporters & Importers)

M Rahimuddin & Co, 84/1, Harrison Road, Calcutta

Motor Hood Fitting Co, 16, Ashutosh Mukherjee Road, Calcutta.

N. B. Sen & Bros., 11, Esplanade East, Calcutta. (Gramophone & Record).

National Musical Products, 183, Dharamtalla St, Calcutta. (Gramophone Manufacturers).

Oriental Cuirio Co, F 58-60, New Market, (Confectionery Range), Calcutta

Popular Sports Limited, 22-1, Chowringhee, Calcutta

Search Light Stores, 88, Bow Bazar St, Calcutta. (Torches, Dry Batteries and Bulbs)

Sen Furnishing House, 26A, Wellesly St., Calcutta. (Furniture)

INDIAN STATES.

Jethalal Meghji & Sons, Saddar Bazar, Rajkot, Kathiawar.

Tayyob Ahmed Sait, Santhepet, Mysore. (Importer & Exporter)

KARACHI

Anthony Coutinho & Co, Clarke Street, Karachi

L S. Balchandani & Co, Rambagh Gaikhat, Karachi

P. V. Bros, Opp Picture House, Bunder Rd, Karachi

MADRAS PRESIDENCY.

Oomarsee Kesowjee & Co., Camp Bazaar, Cannanore. Import

Office —Post Box No 1, Bombay B —Calcut, Tellicherry

& Mangalore

T D. David & Sons, West Tower St, Madura

PUNJAB.

Frontier Tin & Iron Works, Julunder Cantt, Punjab

Sarafiaz Hussain & Sons, Sarafiaz Bldg, Aminabad, Lucknow

Sind Swadeshi Hosiery Mills, Miami Road, P. O. Box No. 20, Sukkur, Sind.

UNITED PROVINCES.

Jai Bahadur Hatrat Shah Soofe, Parade, Mall Road, Cawnpore,

(General Merchant)

SURGICAL DRESSINGS.

Babla Bros., Chauk Surjan Singh, Lahore

Bengal Ch. & Ph Works, Ltd, 94, Chittaranjan Avenue, Calcutta

Bose & Bose, 9, Hemendra San Street, Calcutta. (Suspensory Bandages) B —Bombay

Kesoram Cotton Mills, 42, Garden Reach Rd, Calcutta.

Lastei Antiseptics & Dressings Co, (1928), Ltd, Uma Kanta

Sen Lane, Cossipur, Calcutta

Maghuali Cottage Industrial Works, 6/1, Umesh Dutt Lane, Calcutta

Sri Krishnarajendia Mills Ltd, Bangalore Road, Mysore

Union Drug Co, 285, Bow Bazar Street, Calcutta

SURGICAL INSTRUMENT DEALERS.

BOMBAY CITY.

E. Eyei & Co, Byculla, Bombay

Malgham Bros, 26, Old Custom House Road, Fort, Bombay

Powell's Surgical Works, Lamington Road, Bombay

CALCUTTA.

B K Paul & Co, Ltd, 1 & 3, Bonfield's Lane, Calcutta

Badam Bros., 113, Chittaranjan Avenue, South, Calcutta.

Bengal Ch & Ph Works, Ltd, 94, Chittaranjan Avenue, Cal

Chemical & Surgical Works Ltd, 113, Chittaranjan Avenue South, Calcutta.

Coxwell & Co, Sialkot City

Ganguly Bros & Co, 16, Bonfield Lane, Calcutta

H Mukherji & Co, 89/1, College Street, Calcutta.

J Sur & Co, 3, Dalhousie Sq, Calcutta.

K R Lynch, 113, Chittaranjan Avenue, Calcutta.

Phoenix Drug House, 16, Bonfield Lane, Calcutta.

Sur & Sons, 58/B, Debendia Ghose Road, Bhowanipuri, Cal

Surgical Instrument Co, Ashutosh Bldg, College Square, Cal

POPULAR SPORTS LTD., 22/1, Chowringhee, Calcutta, Importers of all the well-known Foreign Tennis Rackets, Balls, &c., &c.

Radhika Prosad Dutt & Co, 28,
Chandney Chowk, 167/4, Dhar-
rumtala Street, Calcutta
Rampuria Textile, 168, Cross
Street, Calcutta (Hemstitched
pillowcases, tablecloths, etc).
Regal & Co., 22/1, Chowringhee
Road, Calcutta.
Roy & Roy, 42, Cornwallis St.,
Manicktola Spur Junction, Cal-
cutta.
S. A. Rahman, 1, Lindsay Street,
Off Chowringhee, Calcutta.
S. H. Hashmi, 40, Dharumtolah
Street, Calcutta.
Saradalaya, 59, Mirzapur Street,
Calcutta.
Sina & Co, 46, Amherst Street,
Calcutta
Subid Ali & Bros, Subid Ali
Bldgs, Dharamtala St, Cal
Tom Lal, 1, Chowringhee Place,
Calcutta (Tailors)
Wachel Molla & Co, 8, Dharam-
talla Street, Calcutta

DELHI.

C Christopher & Co, 14, Con-
naught Circus, New Delhi
Popular Hat House, Chandni
Chowk, Near Fountain, Delhi
S. R. Shah & Bros, 12, Marina
Hotel, G Block, Delhi.

INDIAN STATES.

Harsukh Jee, Jagannath Kusal-
pur, Udaipur, Mewar.
Hasham & Co. South Parade,
Bangalore.
Jethalal Meghji & Sons, Saddar
Bazar, Rajkot, Kathiawar.
Tapulal Manulal & Bros. Kola
Khadi, Baroda

KARACHI.

Eastern Drapery House, Elphin-
stone St, Karachi
Sind Stores, Near Capital Cinema,
Karachi.

MADRAS CITY.

Chellaram Gianchand, Wallaja
Road, Madras
Krishna & Co, 216, China Bazar
Street, B Madras
M C Karim Co, 81, Iya Mudaly
St, Chintadripet, Madras.
M. V. -Gunnia Chetty & Co.
Esplanade, Madras.

MADRAS PRESIDENCY.

T. Tulace Nave, New Bazar St,
Aruppukottai, Ramnad

PUNJAB.

Aziz Rahman Khwaja, Ludhiana.
Calcutta House, Sargodha.
Devi Chand, Rawalpindi. Br.--
Lahore & Murree.
Edward Outfitting Stores, 74, Dal-
houseie Road, Rawalpindi
H L Seth & Sons, Wazuali
Bldgs, Ferozepore
Hardial Singh & Sons, Feroze
pur Cantt
Hayes Bros, Ludhiana.
J. Qamais, Suleman Bridge, Sam-
rara Road, Ludhiana .
Jawahar Singh Kipanwala, Mai
Sewan Bazar, Amritsar.
Krishna Swadeshi Stores, 11,
Aminabad Park, Lucknow
Lajja Ram Pulchand, Karnal, Pb.
Lokenath & Co. Mall Road,
Simla
M A Taj & Co, Mumtaz Mahal,
Taj Ganj St, Ludhiana
M Mohd Hossain & Mohd.
Jufail, Dharmasala, Kangra, Pb
M Zaman & Co, Ludhiana.
Mussooree Drapery House,
Mussooree
Nagia Drapery House, Murree.
Nathoo Mal Darbarilal, Murree.
Punjab Genl Mfg. Co, White-
ganj, Ludhiana.
Royal Drapery House, Rawalpindi
Cantt
S. A. Dar & Sons, Dar Bldgs,
Kasauli Hills
S M Ibrahim & Sons, Lal Mas-
jid, Ludhiana.
UNITED PROVINCES.
Brij Mohan Lall Brothers, The
Mall, Cawnpore (Uniform).
Chitter Mal & Sons, Bombay
Bazar, Meerut Cantt
D A. Hooja & Co, Bombay
Bazar, Meerut
E S Beg Co, Huzratganj,
Lucknow
Jwala Prasad & Sons, Huzrat-
ganj, Lucknow
Kapoor Mehrotra Bros, Chowk,
Fyzabad.
Makhan Lal & Sons, Sadar Ba-
zar, Meerut.
S N Bose, Mall, Cawnpore
T Boss & Co, Nazirabad, Luck-
now.
Western Tailoring Co, Aminabad,
Lucknow

BENGAL SOTTIE FOOD—Efficiently replaces Barley, Arrowroot, Sage
and all other similar foods of foreign manufacture.

TANNERIES.

BENGAL.

Corbet Leather Works & Boot Factory, Corbetganj, Saidpur, Rangpur.

BOMBAY PRESIDENCY.

Ahmedabad Chrome Tanning Co., Peer Mahomedshah Road, Ahmedabad.

Nadiad Leather Factory, Nadiad. Navsari Leather Works, Navsari, Surat.

Pai's Fancy Leather Works, Baswanganli, Shahapur, Belgaum.

CALCUTTA.

Bengal Tannery Co., 31/14, Lower Chitpore Road, Calcutta.

Hindusthan Tannery, 54, Tiljala Road, Calcutta.

India Tanneries Ltd., 5, Hide Road, Kidderpore, Calcutta.

Modern European Tannery Ltd., 102, Topsia Road, S. Calcutta.

National Tannery Co. Ltd., 12, Mission Row, Calcutta. Br.—Bombay, Rangoon.

Num Chong Tannery, 47, South Tangra Road, Calcutta.

Patna Tannery, 12, Paymental Garden Lane, Tangra, Calcutta.

INDIAN STATES.

Bangalore Chrome Tanning Co., Jeevanhally, Bangalore.

Chunar Abdul Razack Sahib & Co., Kadugondanahalli, Bangalore.

Cochin Tanneries, Ltd., Chalakudi, Cochin.

D. Hanumanthappa & Co., Kadugondanahalli, Bangalore.

Gwahor Leather Factory & Tannery, Moiar, Gwahor.

Hajee C. Mohamed Ali & Co., Kadugondanahalli, Bangalore.

Hajee Zailullahuddin Sahib & Co., Kadugondanahalli, Bangalore.

Jammu Tannery, Jammu.

M. A. Aziz & Sons, Bakaram, Secunderabad, Deccan.

M. A. Mohamed Batcha Sahib & Co., Kadugondanahalli, Bangalore.

Md. Mustaffa's Tannery, Kolar.

Muthu Hajee Mohamed Fakir Sahib & Co., Byrasandra, Bangalore.

Mysore Tanneries Ltd., 12, South Parade, Bangalore Cantt.

Nana Miah Leather Factory, Raichur, Hyderabad.

P. Hajee Batcha Sahib & Co., Jeevanhally, Bangalore.

S. D. Abdul Wahab Sahib & Co., Jeevanhally, Bangalore.

Shabeer Ahmed & Co., Jeevanhally, Bangalore.

T. Abdul Salam & Co., Kadugondanahalli, Bangalore.

LAHORE.

Northern India Tanneries, Ltd., P. O. Shahdara Mills, Lahore.

Punjab Chrome Tannery, Grand Trunk Road, Lahore.

Shahdara Tannery, Delhi Gate, Lahore.

MADRAS CITY.

Best & Co., Tannery, Kodambakam, Chingleput, Madras.

Chrome Leather Co., Chromepet, Madras. Br. Calcutta, Bombay, Agra, Rangoon and Colombo.

G. Abdul Azeez Sahib & Co., 20, Sydenhams Road, Madras.

Gordon Woodroffe Leather Mfg Co., Issa, Pallavaram, Chingleput, Madras.

Hajee Malang Abdul Rahman Sahib & Co's Tannery, Pallavaram, Chingleput, Madras.

K. H. Abdul Khadir Sahib & Co., 19, Sydenham's Rd., Madras.

MADRAS PRESIDENCY.

K. M. Mohamed Moiden Rowther, Palakur, Trichinopoly.

K. S. Abdul Kader Rowther, Palakur, Trichinopoly.

Karnatak Tannery Co., Gadag.

M. S. M. Ry.

M. Kasiyappa Rowther & Sons, Palakur, Trichinopoly.

Mahomed Mean Rowther, N. Tannery, Chembat, Trichinopoly.

Roshan & Co., Palakur, Trichinopoly.

S. S. Shaik Abdul Kader & Bros., Palakur, Trichinopoly.

Sheikh Adam Sahib's Tannery, Kil Kotaguri, Nilgiris.

V. Gobunda Swamy Naidu, Colmbatore.

V. S. Mohamed Ibrahim, Palakur, Trichinopoly.

BENGAL SOTTIE FOOD—In India and hot countries the preparation should be freshly made every six hours to get its full value.

ORISSA.

Swadeshi Tannery Co. P. O.
Chauliaganj, Cuttack.

PUNJAB.

Wazirabad Tannery, Wazirabad

UNITED PROVINCES.

Cawnpore Tannery, Bhananapur-
wa, Cawnpore
Cooper Allen & Co. The North

West Tannery Co, Beconganj,
Cawnpore
Indian National Tannery, Jalmow.
Cawnpore
Model Industries, (Regd.), Dayal-
bagh, Agra
Noronha Model Tannery, Nawab-
ganj, Cawnpore
W B Shewan & Co. Jalmow.
Cawnpore

TAPES, WICKS, ETC., DEALERS.

Batley & Kemp, P. O. Box 2052,
Calcutta (Gummed Tape).

Bhagwan Das & Sons, 43, Clive
Street, Calcutta

Calcutta Advertising Tape Manu-
facturing Co, 1, Saikar Lane,
Calcutta.

Calcutta Rope Manufacturing Co,
42/4, Clive Street, Calcutta.

Cawnpore Lace Works Ltd,
105/716, Kalpi Road, Cawnpore.
(Shoe laces)

Deen Mohamed Md Musa &
Bros, 43, Clive Street, Calcutta
Eagle Advertising Tape Co, Fac-
tory, 51, Near New Mills, Kurla,
Bombay.

G. D. Banerjee & Co, 51, & 52,
Benares Road, Howrah

Hafez Abdul Hakim & Dhoni
Mullick, 43, Clive Street, Cal-
cutta (Tape & Wick).

Hattersley Mill Co Ltd, Bombay.
Karim Bux & Elahi Bux Bros.
58-3, Canning St, Cal (Braid).

Kohinoor Advertising Tape Co.,
73, Apollo Str., Fort, Bombay.

Factory—Kohinoor House.
Ghatkopar, G I P Ry.

Manilavi Abdur Rub & Firoze
Ahmed & Co., 43, Clive Street,
Shop No. 31, & 86, Khongra-
putty St., Calcutta. (Also Car-
pet, Durries, etc.).

National Tape Mfg Co, Muland.
near Bombay

Ochhavlal Chhotalal & Co, 207-
209, Nagdevi Street, Sadaria
Bazar, Bombay

Ratilal Bhikhabhai & Co, Girgaon
P. O. Bombay 4

Upper India Manufacturing Co.,
15/30/36, Civil Lanes, Cawn-
pore

TAXIDERMISTS.

B P Roy, 210-3-2, Cornwallis St.,
Calcutta

Bubbun & Co, Baconganj, Cawn-
pore

Cathbertson & Harper, 10, Govt.
Place East, Calcutta

Jamil Ahmad Rizvi & Co, Baij-
nath Para, Raipuri

Manton & Co, 13, Old Court

House Street, Calcutta

Premial Shah, Gangola, Almora
Prova Commercial House, The
Mall, Cawnpore

R Ruttonji & Son, 11, 12, 13, 14,
15, Church & 139, High St.,
Belgaum

Taxidermy Co, Katni, C. P.
Van Ingen & Van Ingen, Mysore.

TEA ESTATES.

ASSAM.
Aenakhall Tea Estate Factory.
Monacherra, Cachar.

Allynugger Tea Estate Factory.
Shamsheinnugger, Sylhet.

Amiuckie Tea Estate Factory,
Salona, Nowgong

Amo Tea Estate Factory, Chand-
purbagan, Sylhet.

Attabarie Tea Estate Factory,
Rajmai, Sibsagar.

Aylabari Tea Estate, P O Karim-
ganj, (Sylhet)

Badulipar Tea Co Ltd, Baduli-
pai Tea Estate, P O Badulipar
Baghmari Tea Estate Factory.
Charali, Darrang

Baliyan Tea Estate Factory.
Hoogrijan, Lakhimpur

Balisera Tea Estate Factory.
Kalighat, Sylhet

BENGAL SOTTIE FOOD—Take $\frac{1}{2}$ Chatak Sottie and 16 times milk or
water. Boil for 10 minutes, add a little sugar and stir well.

| | |
|---|--|
| Ballachera-Tea Estate Factory, Barkola, Cachar. | Moheema, Sibsagar. |
| Bamon Pookri Tea Estate Fac- tory, Nazira, Sibsagar. | Brindaban Tea Estate, P. O. Puti- juri, (Sylhet). |
| Bargang Tea Estate Factory, Berali, Borganj, Darrang. | Carramore Tea Estate Factory, Hatigarh, Darrang. |
| Bargara Tea Estate Factory, Berali, Borganj, Darrang, Kha- rupatia Ghat, Darrang. | Chabua Tea Estate Factory, Chabua, Lakhimpur. |
| Baro Jalingah Tea Estate Fac- tory, Dwarband, Cachar. | Chaklapunji Tea Estate, P. O Chandpur Bagan, (Sylhet). |
| Barkandi Tea Estate, P. O. Sridharpur, Sylhet Dt. | Champarai Tea Estate Factory, Adamparai, Sylhet. |
| Basmatia Tea Estate Factory, Dikom, Lakhimpur. | Chandpore Tea Estate Factory, Chandporebagan, Sylhet. |
| Bateli Tea Estate Factory, Mazbat, Darrang. | Chapar Tea Estate, P. O. Chapar, T. O. Bilasipara, Goalpara. |
| Beheating Tea Estate Factory, Dibrugarh, Assam. | Chargola Tea Factory, Ratabari, Sylhet. |
| Behora Tea Estate Factory, Numaligarh, Sibsagar. | Chaulapore Tea Estate Factory, Shamshernugger, Sylhet. |
| Betjan Tea Estate Factory, Makum, Lakhimpur. | Cherideo Tea Estate Factory, Chandporebagan, Sylhet; Nazi- ra, Sibsagar. |
| Bhaman Tea Estate Factory, Khowang, Lakhimpur. | Chhotalekha Tea Estate, P. O Barlekha, Sylhet. |
| Bhootea Chaung Tea Estate Factory, Panerihat, Darrang. | Chincoorie Tea Estate Factory, Silchar, Cachar. |
| Bhubright Tea Estate Factory, Pathurkhandi, Sylhet. | Chungoor Tea Estate Factory, Bannakandi, Cachar. |
| Bidyanagar Tea Estate Factory, Dull Cherria, Sylhet. | Chokidinghi Tea Estate Factory, Rehabari, Lakhimpur. |
| Bijoya Tea Estate, Rungerkul P. O., Sylhet Dt. | Cinnamara Tea Estate Factory, West Jorhat, Sibsagar. |
| Bogapani Tea Estate Factory, Digbol, Lakhimpur. | Clevedon Tea Estate Factory, Kulaura, Sylhet. |
| Boisahabi Tea Estate, Selenghat, Sibsagar. | Consolidated Tea and Lands Co Ltd., Powai T. E., Digbol. |
| Bokakhat Tea Estate Factory, Bokakhat, Sibsagar. | Dafflaghur Tea Estate Factory, Halem, Darrang. |
| Bokpara Tea Estate Factory, Doom Dooma, Lakhimpur. | Daimukhia Tea Estate Factory, Mariani, Sibsagar. |
| Borahi Tea Estate Factory, So- nari, Sibsagar. | Dholai Tea Estate Factory, Kukicherra, Cachar. |
| Borban Tea Estate Factory, Sonary, Lakhimpur. | Dalhousie Tea Estate Factory, Nyagogra Division, Darrang. |
| Borbari Tea Estate Factory, Borbari, Lakhimpore. | Daragaon Tea Estate Factory, Rasidpur, Sylhet. |
| Borbheel Tea Estate Factory, Behall, Darrang. | Deamoolie Tea Estate Factory, Rasidpur, Sylhet; Doom Dooma, Lakhimpur. |
| Borborocah Tea Estate Factory, Fathalipam, Lakhimpur. | Deanston Tea Estate Factory, Kajuricherra, Sylhet. |
| Bordubi Tea Estate Factory, Doom Dooma, Lakhimpur. | Debrapar Tea Estate Factory, Rangajan, Sibsagar. |
| Borholla Tea Estate Factory, Baruagaon, Sibsagar. | Deeping Tea Estate Factory, Sonari, Sibsagar. |
| Boroi Tea Estate Factory, Halem, Darrang. | Deohall Tea Estate Factory, Hoogrijan, Lakhimpur. |
| Borkatonee Tea Estate Factory, | |

If the Infant or Invalid passes watery stools **BENGAL SOTTIE FOOD** should be boiled for 15 to 20 minutes to make a thicker consistency.

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| Deundi Tea Estate Factory, Hoogrijan, Lakhimpur. | Googalee Cheria Tea Estate, P.O., Kulaura, Sylhet. |
| Dewan Tea Estate Factory, Dewan, Cachal. | Goombia Tea Estate Factory, Oliviacherra, Sylhet. |
| Dhanseri Tea Estate Factory, Mazhat, Kumrup. | Goriamore Tea Estate, Hattigor, Dairang |
| Dhelakhat Tea Estate Factory, Tinsukia, Lakhimpur | Gotoonga Tea Estate Factory, Baranagore, Sibsagar. |
| Dhendai Tea Estate Factory, Boijuli, Dairang. | Greenwood Tea Estate Factory, Dibrugarh, Lakhimpur. |
| Dhoedam Tea Estate Factory, Barrhoopjan, Lakhimpur. | Hakonguri Tea Estate Factory, Barahapjan, Lakhimpur. |
| Dhola Tea Estate Factory, Barihoopjan, Lakhimpur, Saik- waghat, Sadiya, Frontier Tract. | Haleem Tea Estate Factory, Halem, Dairang |
| Difloo Tea Estate Factory, Golaghat Sub Division. | Haichua Tea Estate Factory, Halem, Dairang |
| Digulturung Tea Estate Factory, Doom Dooma, Lakhimpur | Hathikuli Tea Estate Factory, Chandkhara, Sylhet |
| Dikom Tea Estate Factory, Dikom, Lakhimpur | Hattigori Tea Estate, Hattighor, Assam |
| Dikora Tea Estate Factory, Dimakusi, Dairang | Hindusthan Tea Estates, P.O., Sridharpur, Sylhet Dt |
| Dilh Tea Estate Factory, Nam- rup, Lakhimpur. | Hingao Tea Estate Factory, Kajaldhara, Sylhet |
| Dimakushi Tea Estate, Dimaku- shi, Dairang | Holicheria Tea Estate, P. O Kajaldhara, Sylhet Dt |
| Dinjan Tea Estate Factory, Ran- gagora, Lakhimpur | Hoogrijan Tea Estate Factory, Hoogrijan, Lakhimpur |
| Dolor Tea Co's Factory, Adam- pur, Sylhet | Horoocharai Tea Estate Factory, Joihat, Sibsagar |
| Doodputlee Tea Co Ltd, Silchar P.O., Cachal | Hukanpukri Tea Estate Factory, Doom Dooma, Lakhimpur. |
| Doolahat Tea Estate Factory, North Lakhimpur. | Hulwating Tea Estate Factoryyy, Amgoorie, Sibsagar. |
| Dooloogiam Tea Estate Factory, Udarband, Cachal | Isa Bheel Tea Co., Ltd, Isa Bheel T E, P O Hatikhura, Sylhet. |
| Doopani Tea Estate Factory, Tip- hook, Sibsagar | Itakhooli Tea Estate Factory, Tinsukia, Lakhimpur. |
| Doyang Tea Estate Factory, Oating, Sibsagar | Jagcherra Tea Estate Factory, Jagcheria, Sylhet |
| Duffating Tea Estate Factory, Titabai, Sibsagar | Jamnah Tea Estate Factory, Dibrugarh |
| Durganagai Tea Estate, Kayastha- gram, P.O., Nilamsbazai, Sylhet | Jokai (Assam) Tea Co., Ltd, Pa- thalipam, Lakhimpur. |
| Dwarbund Tea Estate, P O Dwai- bund, Cachal Dt | Joyhin Tea Estate Factory, Lakhimpur North |
| Empire of India & Ceylon Tea Co., Thakubari P.O., Dairang | Jugadishpur Tea Estate, P O Itakhola, Sylhet |
| Gelaky Tea Estate Factory, Ge- laky, Sibsagar. | Kadimnagai Tea Estate Factory, Kadimnagai, Sylhet. |
| Ghazipore Tea Estate, Factory, Kulaura, Sylhet | Kakajan Tea Estate Factory, Nakachari, Sibsagar. |
| Ghoirallie Tea Estate Factory, Boijuli, Dairang | Kakacherra Tea Estate, P. O. Kulaura, Sylhet |
| Gingia Tea Estate Factory, Mij- kajan, Dairang | Kalacherra Tea Estate Factory, Jaffiband, Cachar |

MITRA MOOKHERJEE & CO, BANKERS & JEWELLERS FIRST IN
1884 FOREMOST EVERISINGE. 'GRAM: "METALITE," CALCUTTA.

| | |
|--|--|
| Kalikabari Tea Estate, P. O. Sridhaipur, (Sylhet) | Luckwah Tea Estate Factory, Luckwah, Sibsagar. |
| Kalinagar Tea Estate, P. O. Manacheira, (Cachar) | Lungla Tea Company's Etah Division Factory, Karimpur, Sylhet |
| Kalony Tea Estate Factory, Thakubari, Darrang | Lungla Tea Estate Factory, Lungla, Sylhet. |
| Katalguri Tea Estate Factory, Marain, Sibsagar. | Mackeypoie Tea Estate Factory, Nazira, Sibsagar |
| Kelleyden Tea Estate Factory, Misra, Nowgong | Madanpuri Tea Estate, P O Sridharpur, Sylhet. |
| Kettela Tea Estate Factory, Behli, Boiganj, Assam. | Madhabpore Tea Estate Factory, Adampore, Sylhet. |
| Keyhung Tea Estate Factory, Hoogrija, Lakhimpur. | Madhupur Tea Estate, P O Bahubal, Sylhet. |
| Kharikuttia Tea Estate Factory, Kharikuttia, Sibsagar. | Maijan Tea Estate Factory, Dibbugarh, Lakhimpur. |
| Kharjan Tea Estate Factory, Panitola, Lakhimpur | Majuligarh Tea Estate Factory, Sootia, Dairang |
| Khongea Tea Estate Factory, Rajmai, Sibsagar | Manipuri Tea Estate Factory, Kukicheira, Cachar |
| Khowang Tea Estate Factory, Khowang, Lakhimpur. | Maighaita Tea Estate Factory, Maighaita, Lakhimpur |
| Koomsong Tea Estate Factory, Doom Dooma, Lakhimpur. | Mariani Tea Estate Factory, Mariani, Sibsagar. |
| Krishnagovinda Harishchandra Tea Estate, Nilamas Bazar. Sylhet | Mazdehee Tea Co, Ltd, Narancheria P O, S Sylhet. |
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| Lakhimpur Tea Estate Factory, Nazira, Sibsagar. | Moheema Tea Estate Factory, Moheema, Sibsagar. |
| Lallacheira Tea Estate Factory, Verneipur, Cachar. | Mohumbari Tea Estate Factory, Lahoal, Lakhimpur |
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| Lengai Tea Estate Factory, Chankhua, Sylhet | Monabarie Tea Estate Factory, Mijikapan, Darrang. |
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| Lepetkatta Tea Estate Factory, Borborua, Lakhimpur. | Moiwai Tea Estate, Dingdinga, Goalpara. |
| Lohorijan Tea Estate Factory, Dimapur, Sibsagar. | Mothola Tea Estate Factory, Dibrugarh, Lakhimpur. |
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| Pathalipam Tea Estate Factory, Pathalipam, Lakhimpur | Sepon Tea Estate Factory, Moran, Lakhimpur |
| Patrakola Tea Estate Factory, Adampore, Sylhet. | Sessa Tea Estate Factory, Hindu- kui, Darrang |
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 Cential Duais Tea Estate Factory, Panabasti, Jalpaiguri.
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 Dimi Tea Estate Factory, Kalchini, Jalpaiguri.
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 Gangaram Tea Estate, Gangaram, Darjeeling.
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Ghosh Dutt & Co, Rajgonj,
Comilla
Goenka & Company, Kuiseong,
Daijeeling B1—Ghoom, Sil-
guri, Bagdogra, Jalpaiguri &
Maynaguri
Gold Leaf Tea Co, 1, Grierson
Rd, Near Howrah Station
Mirtrob & Co, Daijeeling
Sylhet Duais Tea Co. Ltd,
Comilla, A B Ry.

BOMBAY CITY
Bombay Tea and General Agency,
62, Gowalia Tank Rd, Bombay
Brooke Bond (India) Ltd, Amer-
chand Building, Ballard Estate,
Bombay Br—Delhi, Nagpur,
Karachi, Ahmedabad, Coimba-
toe, Rangoon
Indian Tea & Coffee Co, P.O.
Box No 727, Bombay
Jamnadas Laxmikant & Co, 62,
New Baidan Lane, Bombay
Paradise Tea Co, Sir Phiroze
Shah Mehta Road, Fort,
Bombay
Paidiwala Brothers, Near Victo-
ria Memorial Blind School, Tar-
deo, Bombay No 7
Ramanlal Motiram & Co, Baidan
Galli, Mandvi, Bombay.
Shah Vithaldas Damoderdas, C P.
Tank Road, Bombay
Tayebally Essoofally, 42, Abdul
Rehman St, Pydhoni, Bombay
3.

**MITRA MOOKHERJEE & CO, BANKERS & JEWELLERS FIRST IN
1884 FOREMOST EVERSINCE. 'GRAM: "METALITE," CALCUTTA.**

BOMBAY PRESIDENCY.

Dinslaw & Co., Poona.
 FidaHusein Shaikh Ibrahimji &
 Sons, Navapura, Surat,
 George & Company, Motor Stand,
 Belgaum.

Ghetabhai Ratanchand, Navapura
 Parsbail, Surat.

Gujarat Tea Depot Co, Gandhi
 Road, Ahmedabad Br —Pann-
 koie Naka & Outside Kalupur
 Gate, Ahmedabad.

Jehangli Brothers, Ahmedabad.

K V. Halavagal & Co. Hubli,
 Dhawar Dt.

Shah Manshukhlal Balmukhand,
 Parseo St., Surat

CALCUTTA.

A. Lookmanjee & Co., 29, Strand
 Road, Calcutta. Br —176, Ed-
 ward St., Rangoon. & at Tavoy,
 (Burma).

A. Tosh & Sons, 11/1, Harrison
 Rd., Calcutta. Br.—2, Raja
 Woodmunt St, 8/1, Upper Ci-
 cular Road, 21, Hogg Market
 East, Calcutta & 233, Fraser St.,
 Rangoon.

Abbas Tea Co., 30, Lower Chit-
 pur Road, Calcutta.

Aryan Planters Agency, 3 and 1,
 Hare Street, Calcutta.

Assam Boundary Tea Co Ltd.,
 Malabati Tea Estate, 17, Man-
 goe Lane, Calcutta

B. K Saha & Bios, 1, Pollock
 St., Calcutta

B. R Bald & Co, 2, Church Lane,
 Calcutta.

Bhupen Bros, 164, Cornwallis St.
 Calcutta.

Bhattacharya & Co, Ltd, 57,
 Cornwallis Street, Calcutta

Brooke Bond India Ltd, 2, Met-
 calf Street, Calcutta.

Darjeeling Tea Chamber, 86,
 College Street, Calcutta

Demalik & Sons, 14B, Rampiosad
 Shaha's Lane Calcutta.

Eastern Hindusthan Tea Co., 22,
 Canning Street, Calcutta.

Empress Tea Co, 4, Raja Wood-
 munt Street, Calcutta.

Excel Tea Co, 38, Strand Rd, Cal.
 Health & Co, (Calcutta) Ltd,

60-C, Chowlinghee Road, Cal.
 Imperial Tea Co., 74/1, Clive

Street, Calcutta.

Indian Tea Co, 103, Clive Street,
 Calcutta.

Indian Tea House, 96B, Clive St.,
 Calcutta.

Indo Tea Company, 11 & 42-1,
 Strand Road, Calcutta.

International Tea Co, 8, Entally
 Market, Calcutta.

Iran Tea Trading Co, Bharat
 Bhavan, Chittaranjan Avenue,
 (North), Calcutta.

J Thomas & Co., 8, Mission Row,
 Calcutta.

Lipton Ltd, 9, Weston Street,
 Calcutta, 10, Nicol Rd, Bom-
 bay; Shradhanand Bazar, Delhi

Luchminarayan Radhakissen, 18,
 Amratala Street, Calcutta.

Lyons (India) Ltd, 60, Chow-
 linghee Rd, Calcutta.

M. M. K. Shrivast & Son, Grosve-
 nor House, 21, Old Court House
 Str, Calcutta.

Macneill & Co, Fairlie Place,
 Calcutta.

Mallick Tea Co, 102/1, Clive Str.,
 Calcutta Br 9/1, Harrison
 Road, Calcutta.

Montic Tea Company, 13, Sashi
 Bhusan Dey St, Calcutta.

Mount Valley Tea Co, 1 C,
 Swallow Lane, Calcutta.

Naga Hills Tea Co. Ltd, 5, Pollock
 Street, Calcutta.

Niranjan's Tea Stores, 239, Chitta-
 ranjan Avenue, Calcutta.

Orient Tea Company, 31, Nive-
 dita Lane, Calcutta.

Oriental Tea Supply Co. 3-1,
 Mangoe Lane, Calcutta.

Orphan Tea Co, 71/1, Clive
 Street, Calcutta.

P. K. Maitra, 82, Pramanick Ghat
 Rd, P.O. Barnagore, Calcutta.



P S. Company, Wholesale House,
44, Parbati Charan Ghose Lane,
Calcutta Br.—Cuttack & Puri.
Pandit & Co., 22, Canning Street,
Calcutta.

Red Cross Tea Company, 44, Par-
bati Ghose Lane, Calcutta
S. C Datta, 6-3, Clive Bldgs.,
Calcutta.

Sen Gupta Bros., 32/7, Beadon
Street, Calcutta.

Standard Tea Co., 196, Khurur
Road, Howrah, Calcutta

Subodh Bros., B22, College St
Market, Calcutta

Sylvan Tea Co., 256/A, Bowbazar
Street, Calcutta.

United Tea Stores, 72, Kheter
Mitter Lane, Salkia, Howrah

United Trading Corporation, 137,
Canning House, Clive Str. Cal

GENERAL PROVINCES.

Brook Bond & Co., King's Way,
Nagpur

DELHI.

Varman Tea Co. Bazar Sita Ram
Delhi.

INDIAN STATES.

Chandra Brand Tea Agency,
Shiyagunj, Indore City.

Chandulal & Co., Danapith. Bhav-
nagar, Kathiawar,

Chatrabhuj Dungsashi & Bros
Para Bazar, Rajkot, Kathiawar.

D G Cowank, Arakere, Mysore

Hussein Kasam, Rajkot Pura.
Kathiawar.

Kaytoman Tea Trading Co.,
Mazam's Street. Wadhwan
Camp, Kathiawar

M R Desai, Vora Bazar. Bhav-
nagar, Kathiawar

Panachand Manek Chand, Shioff
Bazar, Bhavnagar, Kathiawar.

Sav Chand Jethabhai, Wadhwan
Camp, Kathiawar.

Tea Syndicate, Salaijang Build-
ing, Hyderabad.

V. Reshamwala & Co. Ahmeda-
bad Pole, Baroda

KARACHI.

Abdool S & C. Bunder Road,
Karachi.

Brooke Bond & Co, Ltd, (India),
Bunder Road, Karachi.

Tulsidas Narasidas & Co., Old
Market, Karachi.

Tyabally Moosaji, Napier Road,
Karachi

MADRAS CITY.

S. Viswanasham & Co., Bunder
St., Madras.

MADRAS PRESIDENCY.

Narsus Mfg Co., Salem (Coffee).
Oriental Tea Supply Co., Coim-
batore

P. Adinayana & Sons, Bimlipa-
tam, Vizagapatam

S L Nathia, St., Vincent's Grove,
Mangalore, S K (Also Coffee).

Sankaran Tea Co., Virudhunagar.
S I

N. W. F. PROVINCE.

Haji Abdul Rashid Savul &
Co., Katra Masjid, Peshawar
City

ORISSA.

Assam Tea Trading Co., Box Bazar,
Cuttack.

Khitish Chandia Bagchi, Machua
Bazar, Cuttack

Mohamad Ahmad, Box Bazar,
Cuttack

PUNJAB.

Chandpuri Tea Estate, Palampur,
Kangra

Health Brand Tea Co., (Regd.),
Bahadurpur, Hoshiarpur.

Raja Singh, Kalyan Singh, Near
Golden Temple, Amritsar.

Taptan Tea Co., Gujranwala

Upper Kangra Tea Co., (Regd.),
Bahadurpur Bazar, Hoshiarpur.

UNITED PROVINCES.

Beienag Tea Co., P.O. Beienag,
Dt Almor

Doon Valley Rice & Tea Co.,
Viceroy Road Dehra Dun

Jawaharlal Gokal Chand, Chowk
Bazar, Dehra Dun

L Jagennath Mitterism, Aruth
Bazar, Dehra Dun.

S T Agency, Thaterwara, Meerut.

Sainimal Dhoomsingh Nagalia,
Dehra Dun, U P

TELEPHONE ACCESSORIES DEALERS.

Chicago Telephone and Radio
Co., 129, Esplanade Road, Fort,
Bombay.

Ericsson Telephones Ltd, 21,
Old Court House St., Calcutta

BENGAL SOTTIE FOOD—Needs for Health & Economy. Amulyadhan
Pal, 113, Khongrapatti St., Cal. Factory:—Barnagore, (Cal.) & Barisal.

Hyderabad Engineering House,
Hyderabad, (Deccan).
Indian Telegraph Association Ltd.,
10, British Indian St., Calcutta.
International Engineering Co.,
7/1C, Lindsay Str., Calcutta.

Standard Telephones & Cables,
Ltd., 4, Esplanade East, Calcutta.

Vidya Prasad Shukla & Bros., 38,
Maidagin, Benares City

TELEPHONE COMPANIES.

Bengal Telephone Corporation
Ltd., Telephone House, 8, Hare
Street, Calcutta.
Bombay Telephone Company Ltd.,
Telephone Bldgs, Home Street,
Bombay Exchanges at Bom-

bay, Karachi & Ahmedabad
Madras Telephone Company Ltd.,
Telephone House, China Bazar
Road, Madras.
Tata Iron & Steel Company Ltd.,
Jamshedpur.

TENT-SUPPLIERS.

Deno Bandhu Mukherjee & Co.,
34/1, Ratu Sarkar Lane, Room
No. 19, Calcutta.
Elgin Mills Co, Ltd, Cawnpore
Ganga Prasad & Co, Khas Bazar,
Cawnpore.
H. Bevis & Co, P. O. Box No. 29,
Cawnpore.
H. Chirag Din Mohd. Din & Sons,
146, Ravi Rd., Lahore.

H. Nizam Din & Sons, Ganga Ash-
ram Bldgs, Ravi Road, Lahore.
Hari Dutt Bros., Naini Tal
General Stores, Lahore.
Muir Mills Co, Ltd., Cawnpore
Rooldoo Mohammad Din & Co.,
10, Circular Road, Lahore.
Tent Supply Co, Fatehgarh, U.P.
Turnbull & Co, 2, Evening Bazar,
Road, P. T., Madras

TEXTILE MACHINERY DEALERS.

(Also see Machinery Merchants).

Britannia Engineering Co. Ltd.,
28, Dalhousie Sqr., Calcutta.
C. Doctor & Co., 41A, Bruce St.,
Fort, Bombay.
Continental Textile Stores Co.,
P.O. Box 770, Bombay, No. 1.
Douglas Fraser & Sons Ltd., 9,
Clive Str., Calcutta. (Jute Tex-
tile Machinery).
Duncan Stratton & Co., 5, Bank
Street, Bombay.
Felber Jucker & Co, Ltd., 15,
Bank Str., Bombay.
General Stores Supplying Co., 137,
Canning Str., Calcutta.
Grand Wood Works & Saw Mill,
Connaught Cross Road, Ghorup-
deo, Bombay 10.
H. C. Mueller & Co., Ltd., 24,
Rampart Row, Bombay.
H. Nowrasjee & Co., 204, Bellasis
Road, Bombay.
Holt & Co., 11, Elphinstone
Circle, Fort, Bombay
K. C. Biswas Co., Bharat Bhawan,
Chittaranjan Ave, Calcutta.

Kooverji Devshi & Co. Lohar St.
Bombay.
Morarjee Gokuldas Spg & W'g.
Co., Ltd, Soparibaug Road,
Parel, Bombay No. 12.
Oriental Machinery Supplying
Agency Ltd., 20, Lal Bazar St.
Calcutta.
Omerods (India) Ltd, Bank of
Baroda Bldgs, Apollo Street,
Fort, Bombay.
Oir & Emm Plateau Iron Works,
Bangalore City.
Popatlal Girdharlal & Co, 49,
Apollo Str., Fort, Bombay or
Mandri Street, Ahmedabad
Phadke Textile & Industrial
Works, Ltd, Karad, Satara.
Rahimbhai Ebrahimji, 93, Ebra-
him Rahimtools Rd, Bombay 3.
W. D Brady & Co., Mercantile
Bldgs, Lal Bazar Strd, Calcutta.
Wiggins & Co. Sundrapuram,
Podanur S I

All kinds of JAPANESE HOSIERY NEEDLES are Stocked by
HARI HOSIERY FACTORY, Howrah.

TILE MANUFACTURERS.**BENGAL.**

Bark & Co, English Bazar, Malda (Cement Roofing Tiles).

BOMBAY.

Bharat Flooring Tiles Co. 20, Apollo Street, Fort, Bombay

C. Bhogilal & Co, Hanuman Bldg, Elphinstone Circle, Fort, Bombay. (Marble & Tile)

Dandekar Brothers, Gandevi Rd., Bilmora, Surat

Duncan Stratton & Co, 5, Bank Street, Bombay

Elephant Glazed Tiles Factory, 144, Dharavi Road, Bombay 17

F. Muragli & Co, 12, Green St., Fort, Bombay (Marble & Tile)

Garlick & Co, Jacob's Circle, Bombay (Glazed Tiles)

BOMBAY PRESIDENCY.

Bhaiat Tiles Co, Richey Road, Ahmedabad

Dhanjishaw Ratanji Medhola, Bilmoia, Surat, (Glazed Tiles)

Laxmy Flooring Tiles Factory, Proprietor, Gehlul Kaldas & Co, Kanpith Bazar, Surat

Sorab Dalal Tile Works, West View, Khanpur Rd., Ahmedabad

CALCUTTA.

Metal Tiles & Ceilings Co. 71, Cornwallis Street, Calcutta

Best Tiles, Ceilings & Marble Co., 1, Mission Row, Calcutta.

INDIAN STATES.

A. M. A Sivakami Tile Works, Aripalloe, Cochin

Assam Tile Factory and Oil Mills, Quilon, Travancore

Baroda Tile & Pottery Works, Sayaji Ganj, Baroda

Chengannur Tile Works Ltd., Chengannur, Travancore

City Brick & Tile Factory, Mysore Road, Bangalore City

Gurulingayya's Tile Works, Sagar, Shimoga

Imperial Tile & Brick Works, Nanmanikara, Cochin

Kottayam Tile Works, Neehman-galam, Kottayam, Travancore

Machanzies Ltd., (Renco Works), Bangalore City

Maruthy Cement Flooring & Tile Works, Bangalore City

Morning Star Tile Factory, P O Ollur, Cochin State.

Narabhu & Co, Quilon, Travancore

Paparam's Tile Factory, Hinkal, Mysore

Quilon Tile Works, Quilon, Travancore

Ram Chandia Industrials, Ollur, Cochin

Ramangalam Tile Works Co Ltd., Ramangalam, Travancore

Ramdeo Tile Factory, Industrial Area, Bikaner

S K A Asiamam Tile Works, Quilon, Travancore

Sree Rama Ceramic Industry, Bangalore City

Sree Rama Tile Works, Quilon, Travancore

St Joseph's Tile Factory, Padavaiatt, P O Ollur, Cochin

Standard Tile & Clay Works Ltd., Lalbagh Rd., Bangalore (Terracotta goods)

Standard Tile Works, Quilon, Travancore

Thomas Steaphen & Co. Ltd., Quilon, Travancore.

Tiles and Pottery Works, Bilmoia, Navsari, Baroda

Union Tile Factory Ltd., Kaurvanoor, Irinjalakuda, Cochin State

Vaithi Tile Factory, Bangalore

KARACHI.

Karachi Mosaic Marble Works, Post Box No 210, Karachi

MADRAS PRESIDENCY.

A Albuquerque & Sons, Bolar, Mangalore, Kanara South

A B Pinto & Sons, Mangalore S Kanara

Alveris & Co, Bolar, Mangalore, S Kanara

Bahadur Tile Works, Jeppo, Mangalore, S Kanara

Bellary Brick & Tile Works, Bellary

C V Nayak & Co, Dudiolli, Mangalore, S Kanara

Canara Tile Works, Bolar, Mangalore, S Kanara

Commonwealth Ceramic Factory, Jeppo, Mangalore, S Kanara

**All kinds of JAPANESE HOSIERY NEEDLES are Stocked by
HARI HOSIERY FACTORY, Howrah.**

Commonwealth Tile Factory, Olavakot, Malabar
 Commonwealth Tile Works, Jeppo, Mangalore, S Kanaia
 Commonwealth Trust Ltd., Calicut, Malabar Factories at Olavakkot, Codacal, Feroke, Puthiyara, Jeppo, Kudlioli, & Malpe
 Concrete Works, Mangalore, S Kanara (Cement Flooring Tiles)
 Coronation Tile Works, Mangalore, S Kanara.
 Feroke Tile Works, Feroke, Malabar.
 Hamediah Tile Works. Bolari, Mangalore, S Kanara
 Highland Tile Works, Bolari, Mangalore, S Kanaia
 Imperial Tile Works, Bolari, Mangalore, S Kanara
 Indian House Pipe Co. Ltd., Wovvur, Godavari (East)
 Indian Nation Tile Works, Bolari, Mangalore, S Kanara
 Jeppo Tile Works, Jeppo, Mangalore, S Kanara.
 Katheru Blackstone Power Works, Rajamundi, E Godavari.
 Kerala Tillery, Feroke, Malabar.

M Rebello & Sons, Mangalore, S Kanara.
 Malabar Tile Works, Feroke, Malabar.
 Mangalore Tile Co. Bolari, Mangalore, S Kanaia
 P F. B Albuquerque & Sons, Mangalore, S Kanara
 Pioneer Tile Works, Bolari, Mangalore, Kanara South.
 R B C D Andrade, Bunder, Mangalore, S. Kanara.
 Reg & Sons, Hoige Bazar Bolari, Mangalore, S. Kanara.
 Shoranur Tile Works, Shoranur, Malabar
 Soojeerkars' Tile Works, Shoranur, Malabar, Kudroli, Mangalore, S Kanaia.
 Sri Damodar Tile Works. Nileshtar, Kanara.
 Sri Mungan Tile Company Ltd. Irisampalayam, Pondicherry.
 Surya Tile Works, Vergeswarapuram, Godavari (West).
 Taj Tile Works, Bolari, Mangalore, S Kanaia
 Tanjore Tile Works, Tanjore.
 Union Tile Works, Kudroli, Mangalore, S Kanara
 Tumkur Brick & Tile Works, Tumkur

TIMBER MERCHANTS.

ASSAM.
 Assam Bengal Timber Depot, Gauhati (Also Furniture)
 Assam Timber & Stores Ltd., Gauhati.
 Banerjee & Co, Gauhati
 Himatsingka Timber Ltd. Gauhati (Railway Sleeper).
 Indradeo Singh, Tipkai, Goalpara, Assam
 Jitbahadur Suba, Tipkai, Goalpara, Assam
 Kamakhya Timber Co, Gauhati.
 Sagarmall Ramkissen, Rupshi, Goalpara, Assam

BENGAL.
 Nursingh Dass Addy, Chinsurah.
 Hooghly
 Domar Timber Trading Co. Ltd. Domar.
 D Mullick & Sons, Panchanatala Rd., Howrah
 East India Timber Co., Timber Yard, Shahmar, Howrah

G C Dey & Co, Raja Bhat Khawa, Jalpaiguri.
 Government Timber Depot & Saw Mill, Siliguri, Darjeeling.
 Haranath Chakraborty, Raja Bhat Khawa, Damanpur, Jalpaiguri
 Kamalbasini Debi, Katwa, Burdwan.
 M Roy, Raja Bhat Khawa, Jalpaiguri
 Nityagopal Das, Mullickpur, Jagannathpur, Malda.
 Rajendra Lal Sett, Gudri Bazar, Cooch Behar.
 Sahadeo Singh, Siliguri, Darjeeling

BIHAR.

Purshotamdas Mangaldas, P. O Barajamda, B N Ry Singhbhum.
 Tippera Timber Co, Gangahar, Comilla

BENGAL SOTTIE FOOD—Obtainable in 1 lb., ½ lb. & ¼ lb. Cartons. 113, Kongrapatti St., Calcutta, Factory:—Barnagore (Calcutta) and Barisal.

BOMBAY CITY.

Abba Gani & Co., 1-2, Victoria Road, Bombay 10. Br —74. Khadak, & 7, Mustuffa Bazar, Bombay 10.
 Bombay Burma Trading Co. Ltd., 9, Wallace St., Bombay
 Bombay Timber Importing & Landing Co., 148, Middle Colaba, Bombay
 Ebrahim Dawood Kazi, Pine Mansion, Mazagaon, Bombay.
 F. K. Mody & Sons, Reay Road, Bombay
 Grand Wood Works & Saw Mill, Connaught Cross Road, Ghorupdeo, Bombay 10.
 Hargovindas Shrivai & Co., Tank Bunder, Bombay
 Jannohamed Habib, Mustafa Bazar, Victoria Rd., Bombay
 Kantilal Ramanlal & Co., Reay Rd., Tank Bunder, Bombay.
 Kazi Ebrahim Dawood, Pine Mansion, Reay Road, Bombay.
 Mastoo Ramzan, Victoria Road, Byculla, Bombay
 Merwanji Kollabhal, Tank Bunder, Victoria Road. Mustafa Bazar, Bombay
 Millar's Timber & Trading Co., Ltd., Victoria House, Victoria Rd., Bombay.
 S D D Gilder & Co., 40, Victoria Rd., Byculla, Bombay
 Shastiker & Co., Chimna Butcher Street, Bombay
 Timber Trading Co., Station Rd., Thana, Bombay.

BOMBAY PRESIDENCY.

Dhanjishaw Dadabhoy Chalkia, Bilimora, Surat
 Govindji Bhavan, Outside Golvadi Gate, Viramgam, Ahmedabad.
 Gulab Bhai Vasanji Desai, Bhagda Khurad, Bulsar, Surat.
 Heptulla & Habibulla, Nasik
 Jalbhai Pestonji Dhanbhura, Mota Parswad, Bulsar, Surat
 Khan Bahadur Ardeshra Colabhai, Mota Parswad, Bulsar, Surat.
 Paragji Fakirbhai Desai, Bhagda Khurad, Bulsar, Surat.
 Pritamdas Badar Das, Outside Golvadi Gate, Viramgam, Ahmedabad
 R. M. Jethabhoy Co., Bilimora, Surat.

CALCUTTA.

Behaghatta Box & Timber Co., 8, Chaulputty Rd., Behaghata, Cal.
 Bengal Timber Trading Co., Ltd., 4, Clive Row, Calcutta
 Bhagwandass Bagla Rai Bahadur, 67-22, Strand Rd., Calcutta
 Bird & Co., Chartered Bank Bldgs., Calcutta.
 Burma Timber & Trading Co., 12, Hardat Chamaria Lane, Cal
 Calcutta Builders' Stores Ltd., 62, Bowbazar Street, Calcutta.
 Calcutta Timber & Trading Co., 63, Strand Rd., Nymtollah, Cal.
 Martin Co., 12, Mission Row, Calcutta (Andaman Timber).
 Motilal Radhakissen, 67-26, Strand Road, Calcutta
 N R Ghosh & Co., 2, Canal East Road, Calcutta.
 P. Chakravarty, 4/1, Manohar pukur Road, Kalighat, Calcutta.
 Br —40, Bowbazar St., Cal. Timber yard.—Shalimar, Howrah
 Ramprosad Brijlal, 67-10, Strand Road, Calcutta
 Satyanarayan Ramcoomar, 187, Darmahatta St., (Strand Rd side), Calcutta.
 Timber Trading Agency, 11, Paul St., Calcutta

CENTRAL PROVINCES.

Shree Krishna & Sons, Sagoni Bandhubpur, Damoh.

DELHI.

Lala Samman Lal, Sadar Bazar, Delhi.
 Lall Dharan Das Ganga Das Jain, Sadar Bazar, Delhi.
 Sri Ram Fateh Chand, Sadar Bazar, Delhi.

INDIAN STATES.

A C Chumar & Son, P. O. Ollur, Cochin State.
 Adamji Vallji, Porbandar.
 Akbarali Nurbhai, Para, Morvi, Kathiawar.
 B S Subbiah, Makkaji Buildings, Sayaji Road, Mysore.
 C Kizerkhan Sahib, Chikmagalur, Mysore.
 Ghhotalal Maldas, Lati Bazar, Bhavnagar, Kathiawar.
 D Subba Rao & B Arsohi Rao, Cottonpet, Bangalore City.
 Girdhar Laxmi Chand, Bedi Gate, Jamnagar, Kathiawar.

MITRA MOOKHERJEE & CO, BANKERS & JEWELLERS FIRST IN 1884 FOREMOST EVERSINCE. "GRAM: "METALITE," CALCUTTA.

Girdhar Sundarji, Uagar Chakia, Jammagai, Kathiawar.
 Hajee Kassam Musa, Bantia, Kathiawar.
 Jussab Abdul Karim, Magnath St. Junagad, Kathiawar.
 Kanjee Ananjee, Jafrabad.
 Kapur Chand Pana Chand, Rajkot Pura, Kathiawar.
 Moosaji Tajbhai, Bandar Palo. Porbandar, Kathiawar.
 Ranchod Anandjee, Jafrabad.
 S. Kodandaramah, Chamarajpet, Bangalore.
 S. Krishnah & V. Vajapey, Cottonpet, Bangalore City.
 Sadasiva Saw Mills, Bamboo St. Mysore.
 Tajbhai Jiwanji, Bandar Palo. Porbandar, Kathiawar.
 Tribhovandas Lalji Patel, Lati Bazar, Bhavnagar, Kathiawar. Prop.—Kanaya Saw Mill.
 Trivandrum Timber Trust Ltd., Trivandrum, Travancore.

KARACHI.

Alibhoy Jeewanji, Swami Nalavan Chawl, Karachi.
 Manilal Amritlal Shah, Serai R. Karachi.

LAHORE.

Lala Devi Chand Khanna, Nisbet Road, Lahore.
 Lala Sundar Das Bhalla, Nisbet Road, Lahore.
 Spedding Dinga Singh & Co., Davis Road, Lahore.

MADRAS CITY.

C. V. Ramaswamy Mudaliar, 4, Sydenham Road, Madras.
 Devar & Co., Port Trust, Madras.
 M. G. Murugesam Chettiar, 65-66, Basin Bridge Road, Madras.
 P. Nathamuni Naidu, Royapuram, Madras.
 Parthasarathy Agangam & Bros., Sydenham Rd., Vepery, Madras.
 T. Sashadri Iyengar & Sons, 2, Venkataroyar Lane, Park Town, Madras.
 T. Sivananda Chettiar & T. Vadi-velu Chettiar, 125, Sengalaneer Pillayar, Kovil St., Madras.
 V. M. Raghavalu Naidu & Son, 16, Venkatarammer St. G. T., Madras.

MADRAS PRESIDENCY.

A. K. Kunhumayan Hajee, Baitpatam, Malabar.
 A. R. A. S. Duraisamy, Victoria Extension Road, Tuticorin.
 A. R. A. Shenavaga Nadar, Palamcottah, Tinnevely.
 A. S. K. Ratnaswamy Nadar, Victoria Extension Road, Tuticorin.
 A. V. G. Arunagiri Nadar, 118, West Perumal Maistry St., Madura (Hd. Office—Tuticorin, S. I.).
 Coveijee Ardeshue & Co., Court Road, Calcutt.
 Delta Trading Co., Bezwada, Kistna.
 G. A. S. Shunmuga Nadar, Victoria Ext. Road, Tuticorin.
 K. K. Kultun & Son, Erannupalam P.O., Malabar.
 M. A. K. & Co., Moorias, Chalapuram, Calcutt, Malabar.
 M. Appadurai Iyer & Sons, Western Boulevard Rd, Trichinopoly.
 Malabar Timber & Saw Mills Co., Ltd., Kallai, Malabar.
 Malabar Timber Works, P.O. Pattambi, S. Malabar. (Packing Cases with Seasoned Wood).
 Pasumarty Venkata Rao Chetty, Chinnamvari St, Vizagapatam.
 T. Narayanamurthy, Vearanki Lock, Kistna.
 T. Vearayya, Vearanki Lock, Kistna.

ORISSA.

Birabar Jena, Mongla Bag, Cuttack.
 Dhobi Raj, Jhanurmongla, Cuttack.
 L. N. Bezberna, Court Road, Sambalpur.
 Mohammed Khan Gulab Khan, Dalaiapaia, Sambalpur.
 Nepal Chandra De, Khatbin Sah, Cuttack.
 Sarat Chandra De, Khatbin Sah, Cuttack.
 Shib Das Mukherjee, Near Sadar Police, Sambalpur.
 Siva Das, Barikpore, P. O. Bahanga, Balasore.

PUNJAB.

Bharat Timber Depot, Karnal.
 Budhiam Suraj Bhan, Karnal.

BENGAL SOTTIE FOOD—Manufactured by Anulyadhan Pal, Office: 113, Khongrapatti St., Calcutta. Factory:—Barnagore, (Cal.) & Barisal.

Gulab Singh Guibachan Singh,
Saigodha, Punjab
Hukamchand & Sons, Rawal-
pindi
Khanchand Khem Chand Talwai,
Rawalpindi.
Khawaja Ahmad Fazal Haq,
Jhelum, Punjab
Khuishaid Hussain, Karnal
M Imam Din Saidai Ali, Sai-
godha, Punjab.
M. Mohd Ismail, Saigodha
Mohd Saddiq, Karnal, Punjab
Niaz Mohd Ch, Karnal, Punjab
Sakhi Mohd Abdul Aziz, Jhelum

UNITED PROVINCES.

Agarwal & Co., Hewett Gate.
Muttra
Bansidhar Bansal, Orai

Bhoop Narain Dilmohan Narain,
Ghoia Nakhas, Farrukhabad.
Digambar Peishad Tiloki Nath,
Chowk Bazar, Dehra Dun
Hanuman Ram, Khawaspura,
Fyzabad.
Mohammad Shafi & Co., Bansman-
di, Cawnpore
Mukand Lal Bal Swarup, Dehra
Dun.
Mukand Lal & Sons, Dandipur
Rd, Dehra Dun.
Rama Nand Badhidass, Kabli
Bazar, Meerut City
Sheikh Abdul Rahman, Deoria,
Gorakhpur
Singer Singh & Son, La Touche
Rd, Lucknow
Union Timber Trading Co., 3,
Harriganj, Cawnpore

TIN BOX MANUFACTURERS.

Agra Tin Mfg. Co., Belangunj,
Agra.
Alibhoy Valljee & Sons, Elphin-
stone Street, Karachi
Bengal Tin Box Mfg. Co., Ltd., 1,
Jadunath Mitter Lane, Sham-
bazar, Calcutta. (Also 'Tin
Printer').
Bharat Tin Mfg Co, Pahaipur,
Garden Reach, Calcutta
Bombay Tin Smthing & Metal
Plate Co, 63, Morland Road,
Byculla, Bombay 8
Calcutta Can Mfg Co, 13, Harish
Neogy Road, Ultadanga, Cal.
Calcutta Tin Factory, 14/2, Halsi
Bagan Rd, Calcutta.
Central Canning Co, Karwar,
Kanara (Fruit Cans).
Colour Printing & Hollowware
Works, Ltd, 243, Upper Circu-
lar Road, Calcutta
Dhai Tin Factory, 14, Halsibagan
Road, Calcutta.
Escoffery Dawoodbhoy, 18, Doctor
Street, Bombay 3
F W & Co, Dev Samuj, Lahore
Gajanan Rampatram, 6A, Halsiba-
gan Road, Calcutta.
Ganga Tin Factory, 5, Raja Raj-
kissen St, Calcutta
Ganpat Ray Ramnarain & Co,
243, Upper Circular Road, Cal

Habib Dada & Co, 63, Dondad St.
Mandvi, Bombay
Honest Printing, Ghee Kanta Rd,
Ahmedabad
Imperial Litho and Tin Printing
Works, 17, Nanda Mullick Lane,
Calcutta
J May, 1, Mission Row, Calcutta
Kanaylal Dhai, 11, Swallow Lane,
Calcutta
Kooversi Devshi & Co, Lohar
Street, Bombay
Metal Box Co of India Ltd, B2,
Hide Rd, Kidderpore, Calcutta
Metal Decorating and Shaping
Co, Ltd, 112, Narkeldanga Main
Rd, Calcutta (Tin Printing)
National Sheet & Metal Works,
36A, Sahitya Parishad Street,
Calcutta
National Tin Manufacturing
Works, Ltd, Belangunj, Agia
Saidar Singh Tin Factory, Halsi-
bagan Road, Calcutta
Shri Vaidhman Tin Canister Co.
Belanganj, Agia, U. P.
Tin Can Mfg Co, Ajmer.
Tin Printing Works, Kutcha Rd,
Ariah, Dt Shahabad.
Tin Printing & Metal Works, Ltd,
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Amiatulla Saikoi, Pachapukur,
Rangpur.

Asharam Todaimall Kaunia,
Rangpur

Bansidhar Angutham, Lalmanih-
hat, Rangpur.

Chand Mohammed Bepary, Shap-
tibazar, Rangpur

D N Dass, Kayapati, Cooch
Behar

Duraj Mall Chatubhu, Tista,
Rangpur.

Hara Chand Deb Nath, Priyapur,
Kali Bazar, Mymensingh.

Harsamall Kissen Saha, Chilhati,
Rangpur.

Ram Chandia Paul, Dinhat,
Cooch Behar

Ram Lal Gangalal, Kayapati,
Cooch Behar.

Ramananda Saha, Rajgonj, Co-
milla

Sarat Ch Mahendia Ch Saha,
Chak Bazar, Comilla

Steeriam Chandia Saha, Kapasha-
tia, Nagabathi, Jessore

BIHAR.

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Baldeo Saha, Ekmma, Jalalgarh,
Purnea.

Chan Chal Ram, Simnaha, Pur-
nea.

Chulai Saha, Dhandaha, Purnea

Jamuna Prasad Mahato, Brah-
manthan, Purnea

Nanda Lal Saha, Hansi, Jalalgarh,
Purnea.

Raghunandan Prasad Shewnan-
dan Prasad, Gulzarbagh P.O.,
Patna (Khambara)

Rameshwar Sahu, Gumia, Ranchi
Sit Chamari Shah Mahabir Pro-
sod, Gaya.

Sit Lal Mandal, Gokulnagar,
Purnea

BOMBAY CITY.

Chandukant Ujamsibhai, 262,
268, Kalbadevi Rd., Bombay

Hasanali Saleh Mahomed & Co.,
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Custom House Rd, Bombay 1.

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Bhikhabhai Narayanbhai, Nadiad,
Kaira

Hajee Latif Abdulla, Nipani, Bel-
gaum. (M S M Ry).

Hari Bapu, Bhiwandi, Thana
Haribhai M Patel, Desai Vago
Nadiad, Kaira.

CALCUTTA.

Ahab Ali Sarder, Kalapatti, Raja's
Chowk, 57, Clive St, Calcutta

Akhi Ch Sadhukhan, 116, Raja's
Chowk, Calcutta

Atha Bios. 47, Ezia St., Cal.
(Beedi leaves & tobacco).

B Seal & Co. 102, Clive Str, Cal
Calcutta Balakhana Tobacco Fac-
tory, 71, Lower Chitpur Rd, Cal

Chatterjee Bios, 57/2, Surendra
Nath Banerjee Road, Taltala,
Calcutta (Also Beedi)

Haji Azamali, 31-22, Lower Chit-
pore Rd., Calcutta.

Hajee Latif Abdulla, Hd. Office:—
121, 123, 124, 125, Lower Chit-
pore Rd., Calcutta. Br 152,
Harrison Rd, Barabazar & 16,
Sukeas Lane, Calcutta

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P.O.:—Khalari, Dt. Raipur, (G. P.).

Biri Tobacco Factory:—P.O.:—NIPANI, M. S. M. Ry.

Imperial Tobacco Stores, 168-5,
Dharamtala Str., Calcutta.
Mooljee Sicks & Co., 51, Ezra St.
Calcutta (Beedi Tobacco).
P. C. Dutt & Co., 1, Chandney
Chawk, Dharamtala, Calcutta
Purna Ch. Pal, 4, Jagannath Ghat.
Calcutta

CENTRAL PROVINCES.

Harlal Mohanlal, Waidha
Hajee Latif Abdullah, Vill Aura-
dabri, P. O. Khilari, Dt. Rai-
pur.

DELHI.

Jamaluddin Ikramuddin, Masjid
Tahawai Khan, Delhi

INDIAN STATES.

Bhumji Pardhan, New Line, Por-
bandar, Kathiawar.
Central India Tobacco Co., Ltd.
Lashkar, Gwalior State
Chathan Bandathil Varkey, Moo-
vattupuzha, Travancore
Chinniah Pillai, N Palui, Tra-
vancore
Lalu Dehyabhai, Rajkot Pura,
Kathiawar.
Moraji Bavabhai, New Line, Por-
bandar, Kathiawar
Rajputana Tobacco Works, Vir-
ginia House, Station Rd., Atru,
Kotah State.
Tirumalai Tobacco Co., Bowring-
pet, Kolar.
Vithaldas Damodar, Nani Bazar.
Wadhwan Camp, Kathiawar.

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A Abdul Karim & Co Mannady
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A Appadorai Mudaliar & Son,
P B 189, 2-21, Parish Ven-
katchala Iyer St, Madras.
Bathol & Co., 4-153, Broadway,
Madras

MADRAS PRESIDENCY.

Balabhadra Ramiah & Kesari
palli, Subbiah Co., Ellore, W.
Godavary
Chandraj Kholaji, Guntur
Janga Ramiah, Jangavari Street,
Ellore, W Godavary Dt.
L. Kunniyah Gowder, 10/10, L. M
H School Road, Coimbatore.
(Scented Tobacco)
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der
Rama Bhai Laloo Bhai, Karam-
sad, Gujrat, Punjab.
Sh. Faizullah & Bros, Sargodha.

RAJPUTANA.

Rajputana Tobacco Works, Vir-
ginia House, Station Rd., Atru.
Kotah State, Rajputana.

SIND.

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Sukkur, Sind

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Sarai, Farrukhabad.
Chedi Lal & Sons, Fatehganj, Fy-
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Dinanath Jwala Persad, Dhampur.
Hafiz Munney Ramzan Ali, Bara
Banki
Hotilal Ram Charan, Moh Jai Jai
Ram, Kasganj
Jankidas Bhagwat Sarup, Dehra
Dun
Jhabba Lal Banwarilal, Dhampur.
Kapoor & Co. Biswan, Sitapur.
Lal Man Babuam, Lal Sarai, Far-
rukhabad.
M A Brothers, Lucknow House,
Valley Bazar, Meerut
Mithoo Lal Lalita Pd., Pul Pukhta,
Farrukhabad.
Mohammad Ali, Fatehganj, Fyza-
bad.
Purshottamdas Gobind Prasad
Varma, Musky Tobacco Factory,
Lucknow
Nabi Bux Dildai Bux, Etah.
Radhey Kishan Lalit Pd., Pul
Pukhta, Farrukhabad.
Saheb Lal, Kanauj.
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ria, Farrukhabad, U P.

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(Also see Bidi, Cigar & Cigarette Manufacturers.).

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BIHAR.

Indian Leaf Tobacco Development Co., Khajuali, Darbhanga; Chirala, Guntur; 37, Chowringhee, Calcutta.

Indian Tobacco Butt Factory, Dalsingseia, Dairbhanga.

Peninsular Tobacco Works, Basdeoipore, Monghyh.

BOMBAY CITY.

Crown Tobacco Co., Bandia, Bombay.

Harver & Co., 217-19, Fiere Road, Fort, Bombay.

BOMBAY PRESIDENCY.

K C Tiwari, Nasik City
Suleman Haje Latif, Nipani, Belgaum.

CALCUTTA.

B. Seal & Co., 102, Clive Street, Calcutta.

D Macropolo & Co., Ltd., 11, Old Court House Street, Calcutta.

Imperial Tobacco Co., of India Ltd., 37, Chowringhee Road, Calcutta

Tobacco Industries (India) Ltd., 8, Clive Row, Calcutta.

Tobacco Manufacturers (India), Ltd., 37, Chowringhee, Calcutta.

INDIAN STATES.

Central India Tobacco Co., Ltd., Lashkar, Gwalior State

City Tobacco Co., Bangalore City
Oriental Tobacco Mfg Co., Bowringpet, Mysore State

Peninsular Tobacco, Co., Bangalore

Rajputana Tobacco Works, Virginia House, Station Rd., Atru, Kotah State.

Ranchordass Korondas & Sons, Patla Bazar, P.O., Anjar, Cutch

KARACHI.

Fiamji Sorabji & Son, Frere Rd, Karachi.

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McDowell & Co., Ltd., 2 & 6, 2nd Line Beach, Madras.

Venkatachala Mudaliar, 180-181 Broadway, G. T., Madras.

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M P Kadu Bux & Co., Saramit Cigar House, Worur, Trichinopoly (Sumatra Wrapper).

Penugonda Malliah & Co., Guntur

Puthu Viakanta Shett & Sons
Brito Bldgs., Hampankatta
Mangalore, S. Kanara

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Debiadas Chandrikaprasad, Kanauj, Farrukhabad.

Filend & Co., New Buildings
Aminabad, Lucknow.

Jagdish Pd. Laxminarain, Khairnagar, Bazar, Meerut.

M A Brotheis, Velly Bazar
Meerut.

Makhanlal Ghainsukhdas, Kanauj
U.P. Br — Nayaganj, Cawnpore

Abdulrahman Street, Bombay,
Chowk, Benares

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Meerut.

Mehiotia Bros., Gaighat, Benares
Mohammad Bashir Rasool

Bukhsh, Dahganj, Lucknow
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(See Perfumery Dealers & Manufacturers.).

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A Paul & Co., 232A, Upper Chitpur Rd., Calcutta (Jewellers').

Factory Stores and Tools Co., 84A,

Clive St., Cal.

Maiwai Mill Stores Co., 195/1, Harrison Rd., Calcutta.

Subol Dutt & Sons, Ltd., 39, Clive St., Calcutta.

JEWELLERS & BANKERS, MITRA MOOKHERJEE & CO.,
35, ASHUTOSH MUKHERJEE ROAD, BHOWANIPORE, CALCUTTA.

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383, Badshahi Mandi, Allaha-
bad.

Azad Trading Co, Grand Trunk
Road, Aligarh, U P.

Balatsahi & Co., No. 18, Pycrofts
First Street, Royapettah P.O.
Madras.

Beaumonde Products Corporation,
Old Market, Karachi.

Bengal Chemical & Pharmaceuti-
cal Works, Ltd., 94, Chittaran-
jan Avenue, Calcutta

Bharatia Chemical Works,
Agents, Shivalal Ratilal & Co.,
55-51, Canning St., Calcutta.

C. R. Jayna & Co. Chandni
Chowk, Delhi.

Calcutta Chemical Co., Ltd., 35-1,
Pandit Rd., Ballygunge, Cal-
cutta.

Chandianjan Depot, 79, Ulsooipet,
Bangalore City

Cochin Chemical Co., Ayalur,
Cochin.

Dentozone Co., Kapurthala, Pun-
jab (Dentozone Cream).

Dikusha Perfumery Co., Quadian,
Gurdaspur

Dr K B Sarma, Polamur, West
Godavari Dt.

Gandhi Chemical Works, Md.
Nagin Road, Lahore

Hajee Ismail Sait, 25, Harinbari
Lane, Calcutta.

Har & Sons, Englishia Line,
Benares Cantt.

Industrial Department, The Ideal
Institute, P.O. Lanka, Benares
("Asha" Products).

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Sree Gopal Mallick Lane, Cal.
Kailash & Co., Old Dalmandi,
Cawnpore.

Lala Shri Narain Khanna, Chippi
wara, Delhi

Laxmi Priya, Hunnarbhuvan,
Lashkar, Gwalior.

Makhanlal Chainsukhdas, Kanauj,
U.P. Br —Nayaganj, Cawnpore;
Abdulrahman St., Bombay;
Chowk, Near Nishat Talkies,
Benares

Neehar Perfumery, Neehar
House, 41, Russa Rd., Calcutta.

New India Chemical & Pharma-
ceutical Works, Ltd., 178, Harri-
son Road, Calcutta. Factory at
Cawnpore

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Stores, Lakshmvilas Road,
Mysore

Ram Prakash Fraternity, P. O.
Rajpuri, Dehra Dun

Shyam Chakia Karyalaya (Regd.)
Shahjehanpur

Sree Gopal Chemical Works,
Baidya Bazar, Dacca.

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Zenda Chemical Works, Belgaum,
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cutta

Babu Lalamul Agarwala, 16,
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(Also Brassware)

Baktawar Lal Kuoil Mal, Dariba
Kalan, Delhi

Bengal Potteries, 45, Tangra Rd.,
Calcutta

Building Models & Toy Manufac-

turing Co., 42, Raja Naran Ray-
chaudhury Ghat Rd., Sibpur,
Howrah

Chouhan Stores, Juna Topkhana,
Indore City

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Poona City

Delhi Toys Works, No 168,
Chandni Chowk, Delhi

Fancy Toys Works, Outside Dari-
ba Kalan, Delhi

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Kudalkar Savantwadi Toy Works,
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Lakshmi Cottage Industry, 26, Be-
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Market, Bangalore City.
Mistry & Co, Opp Crawford
Market, Bombay.
Mohamedy Toy House, Main St.
Mhow, C. I.
Monty & Co, 10, Indian Mirror
St, Calcutta.
New Toy Stores, Clerk St.
Karachi
Purshottam Das, Minhapur, Ab-
dulla-ki-Masjid, Allahabad.
Queen Toy House, 214, Old China
Bazar St, Calcutta.
S. C. Rae Chandhuji, 21, Madan
Mitra Lane, Calcutta
S Ekram Elahi & Sons, 72, Can-
ning Street, Calcutta.
Sarju Pershad & Co, No. 51, Ami-

nabad Park, Lucknow.
Sawson & Co, Balaram St, Grant
Rd, Bombay 7
Shree Khunya Mutalidhar Toy
Works, 390, Sadashiv Peth,
Poona City.
Shri Krishna Wooden Toy
Works, Tuni, Godavary.
Tandan Bros, & Co, Block No 6,
Deia Ghazi Khan
Tarun Silpa Agency, 62, Manick
tola Street, Calcutta (Wooden
Toys).
Tarun Silpa Mandir, P-30, Ma-
nicktala Spui, Calcutta
Tin Printing & Metal Works Ltd,
Subzi Mandi, Near Bula Mills
Delhi.
V S Bal & Co, 204, Hornby Rd,
Fort, Bombay 3, 109, Parsee
Bazar Street, Calcutta.
Vivekananda Silpa Sangha, 31/A,
Bairuckpore Trunk Rd, Cal-
cutta
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Lane, Calcutta

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Advance Tube Co, 86, Clive St.
Calcutta (Also Gas and steam
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Co, 29, Strand Road, Calcutta.
Anglo American Tube Well Co.
212, Sibpur Road, Howrah
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Bharat Tubewell Co, 118A, Chit-
taranjan Ave. South, Calcutta
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84, Clive Street, Calcutta.
Ebrahimji Hassanbhoy & Sons,
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Expert Tube Well Co, 129, Bow
bazar St, Calcutta.
Ker & Co, 11/A, Raja Woodmunt
Street, Calcutta.
Kumar Brothers & Co, Ltd, 14,
Raja Woodmunt Street, Cal,
Manick Lal Mullick, 3/1, New
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Rusa Road, P. O. Kalighat,
Calcutta. Works—Rai Baha-
dur Rd. Behala, Calcutta
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Godok Bros, & Co, Engineers.
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PUNJAB.

Anant Ram Khem Chand, Anand
Ashiam, Panipat, Punjab

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Reliance Engineering Corpora-
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tolla St, Calcutta. (Also Rosin)
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Ltd., Gwalitoli, Cawnpore.

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tory, Kasuri, Punjab
Manick Lal Pal & Co, 173/1,
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cutta.
Sir Daya Kishan Kaul & Sons, 29,
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dariba, Allahabad
Ahmedabad Type Foundry, Shah-
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Broadway, Madras.
Baroda Type Foundry, 22/5B,
Jhamapukur Lane, Calcutta
Bengal Type Foundry, 28A, Ke-
shub Sen Street, Calcutta
Bhaia Chitralaya, 355, Upper
Chitpore Rd. Cal. (Wooden)
Bhargava Type Foundry, Ram

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bad
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Nikadwar Lane, Kandewadi,
Gurgaon, Bombay.
British India Type Foundry, 1,
Crooked Lane, Calcutta
Calcutta Wood Letter Works,
8/1/1, Kasi Ghosh Lane, P O
Beacon St, Calcutta
Eastern Type Foundry, 18, Brin-
daban Bysack Street, P.O.
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Gujarati Type Foundry, Garwadi,
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 Kikabhai Harivalabhdas Type Foundry, Kalbadevi, Bombay 2
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 Rash Behary Dey & Sons, 82, Old China Bazar St., Calcutta. (Oil Cloth)

Roberts McLean & Co, 101, Clive St., Cal (Waterproof canvas).
 Standard Oil-Cloth Co, Purana Paltan, Ramna, Dacca. Br—23, Kali Kumari Banerjee Lane, Cossipore, Calcutta.
 Sures Reshcase Dutt & Co, C32-33, College St. Market, Calcutta.
 Wiks. Victoria Rd., Baranagore.
 Taraknath Mool Chand, 1-A, Sovaram Bysack St., Calcutta.

WAX MERCHANTS.

Burmah-Shell Oil Storage & Distributing Co. of India Ltd., Hongkong House, Dalhousie Square, Calcutta Br—Bombay, Madras, Karachi & New Delhi.
 Calcutta Chemical Co., Ltd., Ballygunj, Calcutta.
 S. R. Kishnam & Co., 39, Tara

Chand Dutt St., P. O. Box 6753, Calcutta.
 Scientific Supplies (Bengal) Co., Block C-37, & 38, College St., Market, Calcutta. (For Shoe Polishers).
 Manick Lal Pal & Co., 173/1, Dharamtala St., Calcutta. Br—34, Harrison Rd., Calcutta.

WEAVING ACCESSORIES DEALERS.

ASSAM.
 Govt. Emporium & Central Stores, Assam, Gauhati.

BENGAL.
 Cardel Factory, Kalimpong, Darjeeling.
 Crown Wood Mfg. Co., Baldyabati, Hooghly.
 K. C. Nath & Co., 1, Nabakrishna Guin Ln., Serampore, Hooghly.
 Serampore Govt. Weaving Institute, Serampore, Hooghly.

BOMBAY CITY.
 Cooper & Co., 182, Ripon Road, Bombay 8.
 Continental Textile Stores Co., Post Box No 770, Bombay 1.
 H M Mehta & Co., Apollo St., Fort, Bombay.
 Indo British Trading Bureau, 7/10, Elphinstone Circle, Fort, Bombay.
 Kooverji Devshi & Co., Lohar Street, Bombay.
 Ratilal Bhikhabhai & Co., Girgaon, Bombay 4

Sethna Katrak & Co., 30, Tamarind Lane, Fort, Bombay.
 W H Brady & Co., Ltd., Church Gate St., Bombay.
BOMBAY PRESIDENCY.
 All India Khadi Mandal, Sabarmati, Ahmedabad.
 Desai Handloom Factory, Desai Vago, Nadiad, Kaira.
 Jivanlal Chimanlal & Co., Rajamehta Str., Ahmedabad (Loom Accessories).
 M. A. Roy & Bros., Kalupur Post No 6, Ahmedabad
 Tikekar L. V. & Co. Ltd., Tikekar wadi, Sholapur.

CALCUTTA.
 Bros Partner & Co., 7, Ezra St., Calcutta.
 Ivan Jones Ltd., 8, Dalhousie Sq., East, Cal. (Picking Bands)
 M B. Bros & Co., 41, Ratu Sircar Lane, Cal (Picking Bands)
 McGregor and Balfour Ltd., 11, Clive St., Cal. (Picking Bands).
 S C. Bose & Brother, 208, Cornwallis St., Calcutta

TRAVELLER

14 years at trade, qualified textiles, seeks connections, Malabar and other cotton, Sales talks, all arts, handicrafts welcome. Experienced—Locks, Latches, Embossing, Novelties, etc
S. PATOKE, Sales Technologist, Beat 3, Batala, (Ph.).

Seroggie Bros, 2, Clive Ghat St.,
Calcutta. (Picking Bands).

INDIAN STATES.

Modern Business Syndicate, Au-
vaneswaram, Travancore.

PUNJAB.

Ludhiana Loom Builders, Lall
Masjid St., Ludhiana.

S. Patoke, Beat 3, Batala, Punjab.

UNITED PROVINCES.

Handloom Weaving Supplies Co.,
94, Baradeo, Benares City

WEAVING ESTABLISHMENTS.

(Also see Cotton Mills.).

Ashok Weaving Works, P. O.
Chovva, (N. Malabar)

Balkrishna Weaving Co., Cannan-
nore, Malabar.

Benjamin Weaving Factory, Ben-
jamin Road, Ludhiana.

Bezawada Spinning & Weaving
Mills, Bezawada, Kistna

Bhudev Weaving Factory, God-
houlia, Benares City.

Bikram Cotton Factory, Arifwala.
Montgomery Dt.

Burhanpur Handloom Factory.
Burhanpur.

C Aaron & Sons, Pappinisseri.
Malabar.

Chaitanya Factory, Nagarpur,
Tangail

Chatra Cottage Industrial Works,
Serampore, Hooghly.

Coimbatore Kaleswara Mills,
Aini, N Arcot.

Coimbatore Sewing & Weaving
Co., Aini, N Arcot.

Coimbatore Weaving Syndicate,
Coimbatore.

Des Raj Weaving Factory, Ludhi-
ana, Punjab

Dharanappa's Weaving & Dyeing
Factory, Mandya, Mysore

Durbhanga Mills, Vijalpore Road,
Navsari, Surat.

Ellore Hosiery Spinning & Weav-
ing Mills, Ellore, Godavari.

Godavayi Spinning & Weaving
Mills, Pandalapaka, Godavari.

Gopal Krishna Weaving Works,
Thalap, Cannanore, N Malabar.

Government Weaving Institute,
Bangalore City

Hindusthan Loom Co., Ltd, 5,
Bank Street, Bombay.

Iydatul Islam Weaving Estt.
Baliapatam, Malabar.

Japan Cotton Factory, Saigodha.
Jayalaxmi Power Loom Factory,
Mysore City

K C Sankaran & Bros, Weav-
ing Establishment Azhikode

Baliapatam, N. Malabar.

Kadri Weaving Factories, Manga-
lore, Kanara

Kannikapaiameswari Weaving
Factory, Mysore City.

Kashmir Weaving Co., 211, Harri-
son Rd., (1st Floor), Barabazar,
Calcutta.

Kerala Weaving Co., Chovva,
Cannanore, Malabar.

Khalsa Cotton Factory, Sargodha,
Khairak Singh Rattan Singh,
Sargodha, Punjab

L Sheodathai, Kaluram, Fateha-
bad, Hissar

Lakhiram Chanan Das, Jhang,
Punjab.

Mafatlal Fine Mills, Vijalpore
Road, Navsari, Surat.

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- Maharchand Ram Kishan Jhang, Punjab.
 Manarva Textile Mills, Near Ada Tamtam, Jhang, Punjab.
 Mau Weaving Factory, P. O. Maunath Bhanjan, Azamgarh Dt. Mohd. Din Ham Din, Sargodha, Punjab.
 Monohara Weaving Works, Chovva, N. Malabar.
 Moradabad Spinning & Weaving Mills Co., Ltd., Moradabad.
 Nawbharata Weaving Co., Chovva, N. Malabar.
 Prince Weaving Works, Cannanore, Malabar.
 Raja Rajeswary Weaving Estt., Azhikode, Baliapatam, Malabar.
 Ram Govind Weaving Estt., Baliapatam, Malabar.
 Rangiah's Weaving Factory, Mysore City.
 Ratilal Bhikhabhai & Co., Girgaon, P. O., Bombay, 1.
 Saraswathy Vijayam Weaving Estt., Baliapatam, Malabar.
 Shaikh Cotton Factory, Sargodha.
 South Indian Silks Limited, Gudiyatan, (N. Arcot).
 South Indian Weaving Works, Kumbakonam, S. I. Rly.
 Sree Kumar Weaving Estt., Puthiyatheru, Baliapatam, Malabar.
 Sri Krishna Weaving Mills, Subramanrapura, Bangalore.
 Standard Cotton & Silk Weaving Co., Calicut, Malabar.
 Subramania Vilas Weaving Estt., Baliapatam, Malabar.
 Sundareswara Weaving Estt., Chovva, N. Malabar.
 T. S. Bros. Weaving Establishment, Pallikumu, Cannanore.
 Taj Mahal Weaving Factory, Baliapatam, Cannanore.
 Tinnevely Mills Co., Ltd., Ambasamudram, Tinnevely.
 Tinnevely Textiles Ltd., Kolipatti, Tinnevely.
 U. P. Govt. Handloom Emporium, 5, Cornwallis St., Calcutta. Selling Agents:—Arora Dhandbania & Co.
 Vajranabhai's Loom Factory, Mysore City.
 Venkataramanaswamy Weaving Factory, Mysore City.
 Victoria Weaving Establishment, Slavi, Cannanore, Malabar.
 Vishnu Weaving Works, Chovva, Cannanore, Malabar.
 Vithaldas Maknaji & Sons, Ranchhodji St., Navsari, Baroda.
 West Coast Weaving Estt., Chovva, Cannanore, Malabar.

WEIGHING MACHINERIES.

(See under Balance and Weighing Machine Dealers).

WELDING COMPANIES.

- British Arc Welding Co. (India) Ltd., 43-46, Garden Reach Rd., Calcutta.
 Indo-British Welding & Engineering Co., 5, Clive Ghat Street, Calcutta.
 Subol Dutt & Sons Ltd., 39, Clive St., Calcutta.
 Western Oxy-Acetylene Elec. Welding Co., 233/4, Lower Circular Road, Calcutta.

WINE MERCHANTS.

- Abdul Salam, Railway Road, Kasganj.
 Babu Lal Tamboli, Cotton Market, Nagpur City.
 Bal Chand Labh Chand, Amalka-Kanta, Udaipur, Mewar State.
 Central India Stores, Yeshwant Bazar, Indore.
 Coronation Stores, 4, Circular Rd., Calcutta.
 Cosmopolitan Stores, 114/4/3, Hazra Road, Calcutta. (Wine).
 D. Cowasji & Co. Ltd., 20, Fort St., Fort, Bombay.
 David & Sons, 26, South Road, Entally, Calcutta.
 Darasha Palonji & Co., Rajkot Pura, Kathiawar.
 Demalik & Sons, 14B, Ramprosad Shaha's Lane, Calcutta.

GIFTS FOR ALL SEASONS & OCCASIONS. It pays to have from **Mitra Mookherjee & Co., 35, Ashutosh Mukherjee Road, Calcutta.**

- Empire Stores, 60-C, Chowringhee Road, Calcutta.
 Federal Stores, 46, New Park St., Calcutta.
 G. C. Shaw & Co, 82, Bowbazar Street, Calcutta.
 Ganeshi Lal & Sons, Sojati Gate, Jodhpur.
 Great Eastern Stores Ltd., 30, Chowringhee Road, Calcutta.
 Grierson's Wine Agencies, 13/1/A, Government Place East, Cal
 H. C. Chowdry, Rajkot C. S., Kathiawar.
 H. H. Wadia & Sons, Forbandar, Imperial Stores, 1, Pran Krishna Mookerjee Road, Calcutta
 J. E. Bilmoria, King's Way, Nagpur.
 James Wright Ltd, 85/A, Ripon Street, Calcutta
 Jayantilal Tribhovan, Nagar Chakla, Jamnagar, Kathiawar.
 K. R. Damri, Sadai Bazar Road, Rajkot C S, Kathiawar.
 Kackkar & Sons, Johri Bazar, Jaipur City.
 Kelly & Co, Kaisarganj, Ajmer.
 Kishen Lal & Co, Dehra Dun
 M Bazoni & Co, Rajkot Pura, Kathiawar.
 M. C. Shaw, Lower Circular Rd, Calcutta.
 M M Mody, Opp Alfred High School, Rajkot, Kathiawar
 Mazda's Ltd, 7/1, Landsay Street, Calcutta.
 N. C. Shaw & Co, 123, Canning St., Calcutta
 Piyarelal Bhagwan Dass, Muttra Cantt.
 Puri Bros., Station Rd, Jodhpur.
 Purshottam Bhai Dayal, Bosanquet Rd; Indore
 R. G. Shaw & Sons Ltd, 59, Dhurumtola Str, Calcutta.
 R. R. Mehia Bros, Murree, Punjab.
 Rallia Ram Kapur & Co, Railway Road, Jullundur City.
 Ram Bali Baijnath, Meerut.
 Ramchandra Balabux, Bara Bazar, Sambhar Lake
 Rewa State Distillery, Robertson Rd, Satna, Rewa State
 Rustomji Hirji, Civil Lines, Jubbulpore
 S. D. Bilmoria & Co, Jetpura, Chanda.
 S. Lloyd & Co. Rash Behari Avenue, Calcutta
 Satish Chandra Shaw, 16, Grand Trunk Road, Howrah
 Shahpurji Jivaji, Yeshwant Bazar, Indore
 Shaw Warren & Co., 148, Bowbazar Street, Calcutta
 Sivakami Sunderam Pillai & Sons, Mattancherri, Cochin
 Spencer & Co, Murree, Punjab
 Union Trading Co, Sadar Bazar, Rajkot C. S, Kathiawar
 Windsor Stores, 1, Bertram St, Calcutta.

WIRE AND WIRENET DEALERS.

- A & J. Main & Co., Ltd, 10, Clive St., Calcutta. (Woven wire)
 A. M. Dadabhey, 55, Canning St., Calcutta.
 Balmer Lawrie & Co, Ltd, 103, Clive St., Calcutta. (Steel wire)
 Bengal Wirenetting Factory, 84/A, Clive Street, Calcutta.
 Bombay Steel Wire Products Co, 8, Sunderdas Mill Compound, Lal-Chumny, Lamington Rd, North, Bombay 11
 Chunilal Hemraj, 70, Clive St, Calcutta.
 Coondoo Paul & Co, 20, Raja Woodmunt St, Calcutta. (Wire-netting).
 D. P. Bhattacharjee & Bros., 84/A, Clive St, Calcutta.
 Delhi Sheet and Wire Works, New Road, Delhi.
 Devidas Steel & Wire Works, Karachi
 Dutt Bros & Co, 82, Clive Street, Calcutta
 Eastern Wire Cloth Co., 44, Clive Street, Calcutta.
 Indian Cable Co., Ltd, 2, Waterloo St., Calcutta (Copper Weld Wire)
 Indian Wire Nail & Products Co. Ltd., Tatanagar (Baling Wire).
 Indian Wire Netting Factory, 24, Sastatola Rd, Narkeldanga, Cal.

POPULAR SPORTS LTD., 22/1, Chowringhee, Calcutta, Exporters of High Class Footballs, Cricket Bats & Balls, Hockey Sticks & Balls, &c.

Jessop & Co., Ltd, 93, Clive St, Calcutta. (Galvanised Iron Wire).

Kedarnath Mnfng Works, 94, Baradeo, Benares City

R Wright & Partners, Ltd., New Delhi. (Galvanised Iron Wire).

S. C Dutta & Co, 14, Sitalatola Lane, Narkeldanga, Calcutta (Wire Net).

WIRELESS ACCESSORIES DEALERS.

BIHAR.

Sarkar Bros. & Co., Patna.

BOMBAY CITY.

Bombay Radio Co., Ltd, 73-5, Queen's Road, Bombay 2

Fazalbhoy Ltd, 16, New Queens Road, Bombay Br —1/18, Mount Road, Madras, and 8, Lindsay St., Calcutta.

Indian States & Eastern Agency, Haraiwala Bldg, Wittet Road, Ballard Estate, Bombay

United Engineering Corporation, 1, 2, 11, Tamarind Lane, Fort, Bombay Branches.—19, Strand Rd, Calcutta

CALCUTTA.

Bose's Radio Laboratory, 28/1A, Ram Kanto Mistry Lane, Calcutta. Sole Agency —Bengal Trading Co

C C Saha Ltd, 170, Dharamtala St, Calcutta.

Calcutta Electric Construction Co, 104/1, Cornwallis St. Cal.

Calcutta Radio Stores Ltd, 8/1, Esplanade East, Calcutta

Chicago Telephone & Radio Co Ltd, 25, Chowringhee, Post Box 8938, Calcutta

Deradio Co., 52/1/1, College Str, Calcutta

Derumm & Co., 183, Dharamtala Street, Calcutta.

Dutt & Co., 54/4, College Street, Calcutta.

Edison Engineering Works, 10, Wellington Sqr, Calcutta

G. Rogers & Co., 5, Dalhousie Sq, Calcutta.

General Electric Co. (India) Ltd., Magnet House, Chittaranjan Avenue, Calcutta.

Gramophone Co. Ltd, Dum Dum, Calcutta

Hindusthan Musical Products & Varieties Syndicate Ltd., 6/1, Akurur Dutt Lane, Calcutta.

Indian Radio Corporation, 52/1/1, College Street, Calcutta.

Korahvarki & Co, 5, Lindsay St, Calcutta.

M. L. Shaw Ltd, 5/1, Dharamtala Street, Calcutta

Metro Radio Co. Ltd., 9-A, Dalhousie Square East, Calcutta.

Mono Radio Ltd, 4, Central Avenue, South, Calcutta

N. B. Sen & Bros., 11, Esplanade East, Calcutta. (Gramophone & Record)

Phillips Electrical Co, (India), Ltd, 2, Heysham Rd, Calcutta.

Radio and Photo Stores, 44B, Robert Street, P. O. Bowbazar, Calcutta.

Radio Free Service, 54, Bowbazar St., Calcutta.

Radio Supply Stores Ltd, 3, Dalhousie Sq. East, Calcutta.

S. R. Bugtani & Co., 97, Clive Street, Calcutta

T. Abiko, 22, Canning St, Cal

T. B. Bevan & Co Ltd., 21, Old Court House St, Calcutta. Br — Mussoorie.



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28/1A, RAMKANTO MISTRY LANE, CALCUTTA.

Phone BB 4793

DELHI.

Brij Raj Kishore Bhatnagar, 480, Tilak Street, Delhi.
 British Radio Products Co., Aerial House, Connaught Place, New Delhi.
 Eastern Radio & General Supply Co., Connaught Place, New Delhi.
 Northern India Radio Co., Ltd., 719, Chandni Chowk, Delhi
 Supreme Radio & Service Co., Connaught Place, New Delhi.

INDIAN STATES.

Bantwa Mushm Trading Co., Radio House, Bantwa, Kathiawar. (Estd. in 1932).
 Dazzle Electric Works, Sanyogitaganj, Indore
 Hyderabad Engineering House, Hyderabad, Deccan.
 International Agency, Sayaji Rd, Mysore.
 N R Sarode & Co, 54/A, Chickpet, Bangalore City.

LAHORE.

Paico, 40, The Mall, Lahore.

MADRAS CITY.

Madias Radio Co., 2-105, Armenian St., Madras.

MADRAS PRESIDENCY

A B. Raju & Sons, Vizagapatam.
 A V Lekshminarayana Chetty, 34, Big Street, Kumbakonam (Radio, Refrigerators).

PUNJAB.

Imperial Machinery & Radio Supply Co., Ludhiana

UNITED PROVINCES.

B. G. Kacker, B Sc, 17/4, The Mall, Cawnpore.
 Goorha & Brothers, Saraswati Bhawan, Etah
 Midlands Ltd, Meston Road, Cawnpore.
 Standard Electric Co, Standard Buildings, Hazratganj, Lucknow. Br —Commercial Bldgs, Cawnpore
 Universal Film Co (India) Ltd, 36, Banks Road, Lucknow.

WOOL MERCHANTS.

A. N. Malik & Son, Rawalpindi, and Ambala.
 Baboo Mohd Ali, New City, Etawah (Wool & Skin).
 Bali Mall Nawal Kishore, Panipat.
 Bikaner Woollen Press, Industrial area, Near Rly Station, Bikaner.
 Budh Raj Daga, Merta, Jodhpur.
 D. S. Bist & Sons, P O Berinag, Dt. Almora (Raw Wool and Goat Hair Dealers)
 Deomal Pokardass Shikarpur, Sind.
 Dhanrajmal Tulsidas Nanoomal Virbhandas, Beawar. Br —Bombay, Kekri & Shikarpur).
 Dhariwal Magraj Jawanwal, Mahamandir, Jodhpur.
 Dinanath Gyasulal, Gwallior.
 Doongursee & Sons, 59, Forbes St., Bombay.
 Eastern Wool Trading Co, Navsari Bldg, Outram Road, Fort, Bombay.
 G. Mostafa, D. 8, 9, 10 and 12, Municipal Market, Calcutta.
 Godhmal Maganmal, Mewail Bazar, Beawar, Merwara Dt
 Haji Mahd Ishaq H Noor Ah-

med, Sadai Bazar, Delhi
 Hamirnal Dah Chand, Mewari Bazar, Beawar Merwara Dt.
 Haroon Rashid, Taungdwingyi, (Burma)
 Himalayan Musk Depot, 118, Harrison Road, Calcutta Head Office —Nepal.
 Karim Bux & Elahi Bux Bros, 58-3, Canning Street, Calcutta
 L. Mullick, Wool House, 183, Dharamtala St, Calcutta.
 Man Mal Chopra, Pal, Jodhpur.
 Md Subhan Mohamed Zahoor, Qazipura, Mahoba
 Mithanlal Nanumall, Panipat
 Mohd. Yahya, Sharif-ul-Hasan, Etawah (Wool & Skin).
 Om Press Co, Fazilka.
 Ram Press Co., Fazilka.
 Ratilal Bhikhabhai & Co., Girgaon P O, Bombay 4
 S Chetandas Ram Chand, Wool Market, Fazilka, Punjab
 Seth Kundanmalji Lalchandji, Beawar
 Usman Jusab Unwala Munсар Road, Viramgam, Ahmedabad
 West Patent Press Co, Fazilka.
 Wool Stores, Ludhiana, Punjab.

All kinds of JAPANESE HOSIERY NEEDLES are Stocked by
HARI HOSIERY FACTORY, Howrah

WOOLLEN GOODS MANUFACTURERS & DEALERS.

BENGAL.

Crown Woollen Mills, Dakshin-dari, 24-Parg. Ghatabari Baokhola Wvg. & Dyeing Factory, P. O. Ghatabari, Pabna Dt. Kalikrishna Bayan Mandir, Subhadya, Dacca. Musa & Rohamali, Chowbazar, Darjeeling.

BIHAR.

Superintendent, Central Jail, Bhagalpur. (Blankets).

BOMBAY CITY.

Abdoolah Joosab Calcuttawalla & Co, Khoja Mohalla, Bombay. Bombay Woollen Manufacturing Co., Ewart House, Tamarind Lane, Fort, Bombay. Indian Woollen Mills, Haines Rd. Mahaluxmi, Bombay 11. Ratilal Bhikhabhai & Co., Gar-gaon P. O., Bombay 4. Raymond Woollen Mills Ltd, E D Sassoon Bldg, Dougall Road. Ballard Estate, Bombay. Sir Shapurji Broacha Mills, Bom-bay.

BOMBAY PRESIDENCY.

Balabhai Mahanlal, Shekhs Pada, Ahmedabad. Bhorabhai Mohanlal, Sankrishneri, Ahmedabad. Diwan & Co, Gadag, Dhawai Dt.

CALCUTTA.

Bhuban Mohini Das, 6, Chaul Patti Lane, Belliaghatta, Cal-cutta. E M. Ahmedally & Co, 15/1, Radha Bazar Street, Calcutta. J. S. Mohamedally Bombaywalla, 109, Radha Bazar Street, Cal. Joharmal Srinarayan, 16, Pagaya-patti, Calcutta. Kashmir Weaving Co., 211, Harri-son Road, (1st Floor), Bara-bazar, Calcutta. M F. Talebally & Co, 129, Radha Bazar Street, Calcutta. Mahamedali Goolamdi & Co, Bombaywala, 108, Radha Bazar, Street, Calcutta. Punjab United Trading Co, B23, College St., Market, 1st Floor, Calcutta.

Salehbhoy Ebrahim & Co, 25/1, Radha Bazar Street, Calcutta.

INDIAN STATES.

Abdul Cureem & Sons, 29, Chick-pet, Bangalore City. B K. Subbay & Sons, Sourash-trapet, Bangalore. Bangalore Woollen Cotton & Silk Mills Ltd., Bangalore. Bikaner Woollen Press, Sethia Bldgs, Bikaner Industrial Area Railway Station, Bikaner. Damodardas Nagory & Bros Lashkar, Gwalior. Gashlal Vishenjee & Sons, Sr Ranbirgunj, Srinagar, Kashmir. H. Galappa & Co., Avenue Road Bangalore City. Jethalal Meghji & Sons, Sadda Bazar, Rajkot, Kathiawar. K Anantha Rajah & Sons, Post Mandya, Mysore Dt. Kaiser-I Hind Woollen, Cotton & Silk Mills Ltd., P O. Hebal Bangalore. Mahalaxmi Woollen & Silk Mill Ltd., Yesvanthapur, Bangalore. Mirilali Parasmali, 10, Dewar Surappa Lane, Chickpet, Ban-galore City. Shri Dinesh Mills Ltd. Padri Road, Baroda. Shri Karan Singh Woollen Mills Ltd, Srinagar. Soni Bros, 1st Bridge, Srinagar Kashmir. **KARACHI.** Bombay Woollen Manufacturing Co., Ltd, Agents, Anglo-Siam Corporation, Ltd, Karachi. Tattersfield Co. McLeod Road Karachi. **LAHORE.** Tilak Hosiery, Pipalmandi, La-hore. **MADRAS.** K S Muthiah & Son, Post Box No. 226, Madras. **MADRAS PRESIDENCY.** Woollen Mill, Hampankatta Mangalore, S Kanara. **PUNJAB.** Abdelson & Co, Katrabhai, Am-ritsar. Bhaiat Industrial Company, Am-ritsar.

All kinds of JAPANESE HOSIERY NEEDLES are Stocked by
HARI HOSIERY FACTORY, Howrah.

Indian Woollen Stores, Kaimon
Deori, Amritsar.
Jindals Ltd, Fort Road, Ludhiana.
Model Woollen & Silk Mills,
Amritsar.
Mohd Hayat Mohd Ah Woollen
Mills, Amritsar.
New Egerton Woollen Mills Co.,
Dharawal, Punjab.
Punjab Woollen Agency, Bazar
Sabunian, Amritsar.
R. L. Kaistha, (Bhawan), Kangra.
Raj Bahadur Knitting Works,
Ludhiana.
Shahazada Hosiery Works, Ludhi-
ana
Swadeshi Woollen Mills, Amrit-
sar.

SIND.
Sind Swadeshi Hosiery Mills,
Miami Road, P. O. Box No. 20.
Sukkur, Sind.

UNITED PROVINCES.

Balynath Bankybehallal, Wool-

len Mills, Lalbankey St., Cawn-
pore
Bharat Weaving Factory, Khatau-
li, Muzaffanagar.
British India Corporation Ltd.,
Cawnpore.
Cawnpore Textile Ltd, Cawnpore.
Cawnpore Woollen Mills Co.,
Civil Lines, Cawnpore.
E Sefton & Co, Ltd, Mizapur.
Karmanchal Bhandar, Mall Road,
Almorah.
Model Industries (Regd), Dayal-
bagh, Agia.
Paliajpur Wool & Cotton Works,
Chitpui, Lucknow.
Sitaram Fakirchand, Bagh Muza-
faikhan, Agia.
Sri Govind Weaving Mills, Juhl,
Cawnpore.
Woollen Hosiery Factory, Ma-
khan Bazar, Cawnpore.
Zakir Brothers, Mizapur, (Car-
pets & Rug).

YARN MERCHANTS.

BENGAL.
Sheekshen Priemsukh, Malda, S.
Bengal (Also Silk Cloth).

BOMBAY CITY.

Cooper & Co, 182, Ruyon Road,
Bombay 8.
David Mills Co, Ltd, Elphinstone
Road, Bombay. (Merchandised)
Edward Sassoon Mills Ltd, Fer-
gusson Road, Patel, Bombay
Haji Jiva Haji Khamisa & Co.,
178, Sadaria Bazar, Nagdevi St.,
Bombay
Himatlal Mangaldas & Co. Tam-
ba Kanta, Bombay 3.
Indian Yarn Supplies Depot, P O.
Box No. 770, Bombay
J. David Sassoon & Co, 143.
Esplanade Road, Bombay.
M Sidek & Co, 15, Hanuman
Bldg, Tamba Kanta, Pydhow-
nie, Bombay.
Mathuadas Maganlal, Hanuman
Bldg, Tamba Kanta, Bombay.
Narandas Topal, Tamba Kanta.
Pydhowie, Bombay
Oomarsee Kesowjee & Co., Post
Box No. 1, Bombay. Head
Office—Cannanore, Bi—Cali-
cut, Tellicheerry & Mangalore
P N Mehta & Co, Sassoon
House, 50, Church Gate Street.

Bombay
Popatlal Gudharial & Co., 49,
Apollo St., Bombay.
R M Jassawalla & Co, 105, Apo-
lio St, Fort, Bombay
Ramanlal Chhabildas, Waknis
Bldg, Tamba Kanta, Bombay, 3
Ratilal Bhikhabhai & Co., Gir-
gaon Post, Bombay 4
Sankalchand G Shah & Co.,
Kothari Bldg, Tamba Kanta,
Pydhowie, Bombay.

BOMBAY PRESIDENCY.

Amin Patel & Co, Opp. Railway
Station, Ahmedabad.
Amratlal Bhunabhai Gajiwala,
Gopipura, Songhadiawad, Surat.
Chunnilal Kaushaldas Shah, Mane-
neck Chowk, Ahmedabad.
Gordhandas Dalsukhrum, Rail-
waypure, Ahmedabad
Haigovandas Luxmichand, Manek-
chowk, Ahmedabad
Jagannath Thearoomal, Raviwar
Peth, Poona 2
Jam Mills, Sholapur
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pur.
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peth, Sholapur.
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dabad.
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Chunilal Chhaganlal, 71, Cross
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Indo Burma Silk Trading Co., 34,
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Japan Cotton Trading Co., Ltd.,
Commercial House, 15, Clive
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Jiwandas Chunilal & Co., 194,
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Karim Bux & Elahi Bux Bros.,
58-4, Canning Street, Calcutta.
Mohini Mohan Banerjee, 19A,
Cross Street, Calcutta.
P. N. Mehta & Co., 208, Cross St.,
Calcutta.
Pannalall Goenka, 135, Canning
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Avenue, Calcutta.
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Krishna Moorthy Company, 157,
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M. P. Venkatachalapathi Iyer,
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bay. Br.—Calicut, Tollcherry
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nad Road, Madura. (Coloured).
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Premier Hosiery Yarn & Machi-
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Durga Dutta Chunilal, Maunath
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Haji Sajjat Hussain, Mahoba
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Badalram Lachminarayan, 144-A,
Harrison Road, Calcutta
Birendra Shanker Bhagwat Pra-
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Ganga Prasad Biswanath Prasad
& Co., Chowk, Benares.
Gururam Hariprasad, Chetganj,

Benares City. Br 41, Strand
Road, Calcutta
Mahmood Ali Mashhood Ali,
Vally Bazar, Meerut.
Monmohini Karyalaya, 159, Mech-
uabazar St, Calcutta.
Nagendranath Dutta, Nutangunj,
Bankura.
Naini Zarda Factory, Chowk,
Lucknow.

THE Editor cordially invites all manufacturers and businessmen who do not find their names included in the list to send him their names and full addresses at once. This will ensure insertion in the next edition.

Businessmen who find their names and addresses wrongly given are also requested to send necessary corrections.

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Cures and prevents all kinds of
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Charming aroma and refreshing
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Packed in fancy bottle of 8 oz for Re 1

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Indian fairs may broadly be classified under three heads Agricultural, Industrial and Cattle. These generally occur in association with some religious festivities and take place annually on the same lunar date in the same month.

The most important of these have already been pointed out in connection with the description of market places of India under respective districts. English months corresponding to the Indian months mentioned therein follow. Baisakh—April-May; Jaistha—May-June; Ashar—June-July; Sravan—July-August, Bhadra—August-Sept., Aswin—Sept-Oct., Kartik—Oct-Nov., Agrahayan—Nov-Dec; Pous—Dec-Jan, Magh—Jan-Feb.; Falgun—Feb-March; Chaitra—March-April. A supplementary list for Gwalior State follows.—

Gwalior Fair and Exhibition, Gwalior, Magha Badi 2, 20th December to 10th January, 20 days. Cattle and merchandise.

Mela Ramlika (Bhander), Gwalior, Magh Badi 11 to Phalgun 10, 20 days. Cattle and merchandise.

Mela Jauria, Morena, Pous Sudi Punam to Magh Sudi 5, 20 days.

Mela Ambah, Morena, Phalgun Sudi Punam to Phalgun Badi Navas, 15 days.

Meghpura, Bhind, Chaitra Sudi to Chaitra Sudi Punam, 15 days.

Attair, Bhind, Phalgun Badi 11 to Phalgun Sudi 14, 16 days.

Baghali, Bhind, Baisakh Badi 1 to Baisakh Sudi Poono, One month.

Mela Siddha Nath Baba, Sheopur, Magh Sudi 12 to Phalgun Badi 5, one month.

Mela Kumbhig, Guna, Magh Sudi 1 to Phalgun Badi 1, 15 days.

Mela Maqsdangari, Guna, Aghan Sudi to Magh Badi 13, 20 days.

Mela Jabbner, Guna, Pus Badi Amavas to Pus Sudi Poono, 15 days.

Mela Raghogarh, Guna, Magh Badi 1 to Magh Badi Amavas, 15 days.

Mela Aron, Guna, Magh Badi 1 to Magh Badi Amavas, 15 days.

Mela Bisbhujia, Guna, Kuar Sudi 5 to Kuar Badi 5, 15 days.

Mela Banganga, Shivpuri, Phalgun Badi 10 (7-3-) to Phalgun Sudi 5 (17-3-), 11 days.

Mela Nilampur, Shivpuri, Chaitra Badi 12 to Amavas (8-4 to 11-1-), 4 days.

Mela Mandi Shujalpur, Shajapur, Chaitra Sudi 1 to Chaitra Sudi 10, 10 days.

Mela Runija, Shajapur, Baisakh Sudi 3 to Baisakh Sudi 12, 10 days.

Mela Shujalpur 1st., Shajapur, Mah Sudi 1 to Mah Sudi 8, 8 days.

Mela Shujalpur 2nd, Shajapur, Baisakh Sudi 1 to Baisakh Sudi 15, 15 days.

Mela Kalapipal, Shajapur, Phalgun Sudi 1 to Phalgun Sudi 7, 7 days.

Mela Baijnath 1st., Shajapur, Chaitra Sudi 1 to Chaitra Sudi 15, 15 days.

Mela Baijnath 2nd, Shajapur, Kartik Sudi 15 to Kartik Badi 10, 10 days.

Mela Bhawanath, Shajapur, Phalgun Badi 10 to Phalgun Sudi 1, 7 days.

Mela Pimpleshwai, Shajapur, Vasant 3 to Mah Sudi 15, 10 days.

Mela Jata Shankai, Shajapur, Phalgun Badi 10 to Phalgun Sudi 1, 7 days.

Mela Dochod, Shajapur, Chaitra Sudi 10 to Baisakh Badi 5, 11 days.

Mela Satimata, Saidapur, (Amhera), Mah Sudi 1 to Mah Sudi 15, 15 days.

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University Avenue, Rangoon.
Batliboi & Co, Merchant Street,
Rangoon.
Maung Hla Myaing, Home Indus-
try Office, Merchant St, Toun-
goo, Burma
N A Naganathan, R.A. 338, Dal-
housie St, Rangoon
S. Nagaraj Iyer, R.A. 220, Thomp-
son St, Rangoon.
Stuart Smith & Allan, 128, Phayie
St, Rangoon

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British Ice & Mineral Water Co,
297, Godwin Road, Rangoon.
Burma Ice & Aerated Water Co,
367, Commissioner Road, Ran-
goon
Diamond Mineral Water Co. 4
& 5, Sule Pagoda Rd, Rangoon.
Ebrahim & Sons, Taungdwingyi,
Burma
Imperial Aerated Water Factory,
528, Merchant St, Rangoon.
Indo-Burma Aerated Water Co.,
142, 37th St, Rangoon.
Kemendine Ice & Aerated Water
Factory, 125, Hanthawaddy Rd.
Rangoon.
Ma Chit Su's Ice & Aerated
Water Factory, 228, Lower
Kemmedine Road, Rangoon.
Saul's Crown Aerated Water Fac-
tory, 80, William St, Rangoon
Ruby Aerated Water Factory,
Well Street, Akyab
Shei Ice & Aerated Water Fac-
tory, 239, Phayie St. Rangoon
United Aerated Water Factory,
298, Canal St, Rangoon

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Burma Publicity Bureau, 149, 37th
Street, Rangoon
Burma Publicity House, 72, Fra-
ser Street, Rangoon.
Guziat Advertising Agency,
Rangoon.
Mirza Mohd Takee, P O, Kem-
mendine, Rangoon

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A P Wilson & Co, Ltd, 394,
Merchant St, Rangoon
Burma Clearing & Forwarding
Co, Ltd, 71, Merchant St, Ran-
goon

Thos Cook & Son, Ltd, 102,
Phayre St, Rangoon
Gillanders, Arbuthnot & Co,
22/24, Phayie Street, Rangoon

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Burma House & Estate Agency,
76, 43rd Street, Rangoon.
C E Robertson, 115/117, Sule
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M L Friedlander, 86, Barr St,
Rangoon

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thin, Burma
Harper & Smith & Co, Ltd, 108,
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Jael A. Samuels, 268/272, Phayie
Street, Rangoon

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Burma Aluminium Co, Ltd, 43,
Phayie Street, Rangoon
Jeewanlal (1929) Ltd, 492, Dal-
housie St, Rangoon
Rangoon Aluminium Works, 108,
Insein Rd, Kamayut, Rangoon

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Aga Mohamed & Sons, 614, Mei-
chant Street, Rangoon
Balthazar & Son Ltd, 581, Mer-
chant Street, Rangoon

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 Burma Electric Suppliers Association, 98, 50th Street, Ran.
 Burma News Agency, P. O. Box 313, 125, Scott Market, Rangoon
 C X De Souza & Co., 75, York Road, Rangoon
 City Book Club, 280, Phayre St., Rangoon
 Rowe & Co., Ltd., P O Box 77, Rangoon
 Smart & Mookerdam, Randaria Dldg, 537, Merchant St., Rangoon
 U Ba & Sons, Shangu P O, Mandalay, Burma

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 Imperial Chemical Industries (India), Ltd., 529, Merchant St., Rangoon.
 Jamal Bros & Co., Ltd., P O. Box No 101, Rangoon.

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Bandoola Pharmacy, 28, Merchant St., Bassein, Burma.
 Dey Brothers, 290, Mogul Street, Rangoon.
 E M. De'Souza & Co., Dalhousie Street, Rangoon
 F S Chindooroy & Co., Dalhousie Street, Rangoon
 Francis Medical Hall, Mogul St., Rangoon
 Imperial Pharmacy, Mogul St., Rangoon

Medicine Mart, Dr. S. K. Mukherjee, Maymyo, U Burma
 Moulmein Pharmacy (also Opticians), Corner of Dalhousie Rd, & Mission Rd., Moulmein.
 N M. M. Ebrahim Co., Taungdwingyi, Burma

Patamapyan Saya Aung, (Gold Medalist), 74, In Municipal Bazaar, Toungoo, Burma.
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 Ray Mitia & Co., Lewis Street, Rangoon.

Sarcai & Co., Mogul Street, Rangoon

Win Maung, M D, Home Industry Office, Toungoo, Burma

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 S C. Sircar, 106-49th. Street, Rangoon

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 Glove Cinema Co., Sule Pagoda Road, Rangoon.
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Buildings, Bazaar St., Toungoo.

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Indian Import Co. Spark Street,
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J. C. Chowdhury, 298, Mogul St.,
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Moulmein Electric Supply Co.,
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Myingyan Electric Lighting Sup-
ply Co., Ltd., Myingyan, Burma

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Quarter, Mandalay, Burma.

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Rangoon

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 D. Dass & Co. Taungdwingyi, Burma.
 F. W. Heilgers & Co, 619, Merchant St., Rangoon.
 Grahams Trading Co., (India), Ltd., 80, Strand Rd., Rangoon.
 Mohanlal Amarnath & Bros., Myinmu, Sagaing Dt.
 Moti Ram & Sons, 27th. Road, Mandalay, Burma
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 Laxmi Ginning Factory, Myinmu, Sagaing Dt.
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 Minto Mansions, 21, Halpin Road, Rangoon.
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Diamond Ice Factory, 140, 146, Sule Pagoda Road, Rangoon.

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E E Gowa, No 51 "D" Block, Zegyo, Mandalay

Imperial Stores, Well St, Akyab Burma

S A Rashid & Co, Distillery Rd, Bassein

J N Battiwala & Co, 79, Tseekat Maung Taulay Str, Rangoon

Shalkh Ally Oomer, 65, Edward St, Rangoon

V Zollikofer & Co, 44/50, Barr St, Rangoon

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C H Patel & Co, 33, 25th Street, P. B No 454, Rangoon.

Chhotabhai Somabhai Patel, 33, 25th Street, Rangoon

Chunilal Hamchand, 14, Mogul Street, Rangoon.

Coombes Co, Ltd, 12, Phayre St, Rangoon.

Dayal & Co, 133, Mogul St, Rangoon

Gunvantlal Amratlal, 220, Mogul St, Rangoon.

Gunvantlal Amratlal, 220, Mogul St, Rangoon

Lekhraj & Sons, 15C, Phayre St, Rangoon.

Maganlal Pranivan & Co, 132, Mogul St, Rangoon.

Modern Diamond House, 303, Barr St, Rangoon.

Oriental Chemical Diamond Co, 220, Mogul St, Rangoon

P Orr & Sons Ltd, Phayre Str, Rangoon.

Surajmal Lalubhai & Co, 134, Mogul St, Rangoon

LACE MERCHANTS.

Hok Eong & Co, 58/60, Phayre St, Rangoon.

LEATHER GOODS DEALERS.

Poonwer Trading Co, Mandalay.

Y. E Modan Bros., 1-2, Sule Pagoda Road, Rangoon.

MATCH FACTORIES.

Adamji Match Works, Pazood-aung, Burma.

Akyab Match Factory, Akyah, Burma

Burma Match Co, Ltd, Kanaug, Near Rangoon

Burma Match Factory, Hanthawaddy, Burma.

Irrawaddy Match Co, Mandalay.

Kemmendine Match Co, Ltd, Rangoon.

Rangoon Match Works, Mahlwagon, Rangoon

MEDICAL STORES DEALERS.

Baindaw Stores Medical Hall & Sinyeth Piess, Pyuntaza, Pegu.

D R Desai & Co, 288, Mg Taulay St, Rangoon

Dey Bios, 290, Mogul St, Rangoon

Dr Banerjee's Clinic, 393, Sparks Street, Rangoon

E M DeSouza & Co, 465, Dalhouse St, Rangoon.

Eastern Medical Hall, 150-152, Judah Ezekiel St., Rangoon.

Economic Pharmacy, 224, Mogul St, Rangoon

Francis Medical Hall, 190, Mogul St, Rangoon

Imperial Pharmacy, 228, Mogul St, Rangoon

Ma Tin, 6-A, East Road, Insein.

Oriental Pharmacy, 344, Dalhouse St, Rangoon

METAL & MINERAL MERCHANTS.

Bulloch Bios, & Co, Ltd, Margui (Wolfram).

Burma Corporation Ltd, Namtu, N S S (Lead, Silver)

Burma Finance & Mining Co, Ltd, Tavoy.

Burma Ruby Mining & Trading Syndicate Ltd, 199, Sule Pagoda Road, Rangoon

Haiperink, Smith & Co, Ltd, Rangoon (Lead pig)

Heimyingyi Mine Heimyingyi, Tavoy (Tin & Wolfram).

High Speed Steel Alloys Mining Co, Ltd, Tavoy, Burma. (Tin & Wolfram).

POPULAR SPORTS LTD., 22/1, Chowringhee, Calcutta, Exporters of Tennis & Badminton Gut, Rattan Canes, Bamboo Poles, Medicinal Herbs.

Kanbank Mines Ltd., Tavoy.
 Mawchi Mines, Ltd., Toungee
 Mawchi, Bawlake State, Burma.
 (Tin & Wolfram).
 Tavoy Tin Dredging Corporation
 Ltd., Tavoy (Also Wolfram).
 Webster Sydney & Co., Ltd., 88,
 Strand Rd., Rangoon.

MILL STORES DEALERS.

Mill Stores & Belting Co., 55, 29th
 Street, Rangoon.
 S. M. Ismailjee, 65, 26th Street,
 Rangoon.

MOTOR ACCESSORIES DEALERS.

Bandoola Auto Spares Co., 118,
 Sule Pagoda Rd., Rangoon.
 Bassein Motor Works, Strand
 Road, Bassein.
 Bombay Motor Co., 169, Barr St.,
 Rangoon.
 H. H. Ganny & Co., Myaungmya.
 New Motor Stores, 118, Sule
 Pagoda Road, Rangoon. Br.—
 New Motor House, P O Box 570,
 Calcutta.

Watson & Son Ltd, 163, Phayre
 St., P O Box No 178, Rangoon.

MOTOR CAR DEALERS.

Bombay Motor Co., (Burma), Ltd.,
 169, Barr St., Rangoon.
 City Automobile Works, 389-391,
 Montgomery St., Rangoon
 Excelsior Motor & Engraving Co.,
 430, Merchant St., Rangoon
 Imperial Motor Works, 217,
 Phayre St., Rangoon.
 Motor Agents, Ltd., 185, Sule Pa-
 goda Rd., Rangoon
 Motor House Co., Ltd., 57, Fytche
 Square, Rangoon.
 New Motor Stores, 118, Sule Pa-
 goda Road, Rangoon. Br.—New
 Motor House, P O Box 570, Cal.
 Race Auto Port Stores, 252, Sule
 Pagoda Rd., Rangoon.
 Royal Electric & Motor Works,
 311 Dalhousie St., Rangoon.
 Universal Motors, 596, Merchant
 St., Rangoon.
 Watson & Son, Ltd., 59, Phayre
 St., Rangoon

MUSICAL INSTRUMENT DEALERS.

Burma Talking Machine Co., 483,
 Dalhousie Street, Rangoon

Callaid & Co., 72, Phayre St.,
 Rangoon.

M. L. Shaw (Burma) Ltd., 389,
 Dalhousie St., Rangoon.

Misquith Ltd., 278, Dalhousie St.,
 Rangoon.

Moonlight Musical Stores, 317,
 Montgomery St., Rangoon.

Okkala Co., 118, Montgomery St.,
 Rangoon.

Sen Biotheis, Dalhousie Street,
 Rangoon

OIL & LUBRICANT MFRS.

British Burma Petroleum Co.,
 Ltd., 8, Strand Rd., Rangoon.

Burmah Oil Co., Ltd., 604, Mer-
 chant St., Rangoon

Indo-Burma Petroleum Co., Ltd.,
 622, Merchants Str., Rangoon.
 8, Clive St., Calcutta.

Nathsingh Oil Co., Ltd., Yenang-
 yaung, Magwe, Burma

Rangoon Oil Co., Ltd., 8, Strand
 Road, Rangoon.

Standard Oil Co. of New York,
 Phayre St., Rangoon.

Standard Vacuum Oil Co., Rande-
 11a Bldgs., 62, Phayre St., Ran-
 goon.

Valvoline Oil Co., 118, Phayre St.,
 Rangoon

OIL MERCHANTS.

Ellerman's Asiatic Rice & Trad-
 ing Co., Upper Pazundaung.

Jamal Bros., Kemmendine, Ran-
 goon

Ko Awe Ya, Myothul Qr., Pyaw-
 bwe, Burma. (Onion & Oil).

Steel Bros. & Co., Ltd., Tiltanmyo
 Burma (Cotton Seed Oil).

OIL MILLS.

Consolidated Cotton & Oil Mills
 Ltd., Myingyan

OILMAN'S STORES DEALERS.

E. Aaron & Son, 16, 31st Street,
 Rangoon

Imperial Stores, Well Street,
 Akyab.

Upper Burma Stores, Merchant
 Str., Mandalay

OPTICIANS.

Burma Optical Works, 130, Sule
 Pagoda Rd., Rangoon.

Coombes & Co., Ltd., 12, Phayre
 St., Rangoon

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CORONATION TYPEWRITER CO., NAI SARAK, DELHI.

Dey Brothers, 290, Mogul Street, Rangoon.

E. M. D. Souza & Co, 271, Dalhousie St., Rangoon.

Lawrence & Mayo, 81, Phayre St., Rangoon.

Medicine Mart, Maymyo.

Moulmein Pharmacy, Corner of Dalhousie & Mission Rd., Moulmein, L. Buima.

P. Orr & Sons, Phayre St., Rangoon.

Pioneer Medical Stores, Mogul St., Rangoon.

R. S. Rae & Co, Apothecaries Hall, 250, Phayre St., Rangoon.

Sircar Bros, 113, Scott Market, Rangoon.

PERFUMERY & TOILET GOODS DEALERS.

Ever Ready Perfumery Co., 242, Mogul Street, P.O. Box No 376, Rangoon.

F. D. Boidiwala 59, Soorates C. Bazar, (Top Floor), Rangoon.

PHOTOGRAPHERS.

Asahi Photographic Studio, 23, Merchant St., Rangoon.

Bombay Burma Photo Studio, 356, Dalhousie St., Rangoon.

D. A. Ahuja & Co., 123, Sule Pagoda Road, Rangoon.

Lanthit Photo Co., 60, Morton St., Rangoon.

London Art Photo Co., 118, Barr St., Rangoon.

PHOTO GOODS DEALERS.

F. N. Ahuja & Co., 36, Phayre St., Rangoon.

PIECEGOODS DEALERS.

Hamed Abdulla Brothers, 26, Edward Street, Rangoon.

PRINTING MACHINE AND ACCESSORIES DLRS.

Jupiter Trading Co., Ltd., 174/176, 31st Street, Rangoon (Ink).

PRINTING PRESSES.

A B M. Press, Post Box 100, Rangoon.

Aung Mingala Press, Near Bazar, Taungdwingyi, Burma.

British India Press, 119, Mg. Taulay St., Rangoon.

Burma Art Press, Ltd., 251, Lewis St., Rangoon.

Crown Press, 109-137-139, 32nd St., Rangoon.

East India Press, 132, 31st Street, Rangoon.

Gon Dhu Soung Press, 204, 32nd Street, Rangoon.

Imperial Press, 231, Eden Street, Rangoon.

Knowledge Guide Press, Nawin Quarter, Proma.

Lawka Pala Pitaka Press, Mg. Taulay St., Rangoon.

Maurawaddi Press, 286E, Dalhousie St., Rangoon.

New Burma Press, Ltd., 237-241, Phayre St., Rangoon.

New Eia Press, 40th St., Rangoon.

Popular Press, 199, Lewis St., Rangoon.

Rangoon Gazette Press, 372, Sparks Street, Rangoon.

Shei Press, Sparks St., Rangoon.

Star of India Press, 55th Street, Rangoon.

Sun Press Ltd, 65-67, Fraser Str., Rangoon.

Upper Burma Gazette Press, Mandalay.

Victor Printing Works, Bazar St., Taungoo, Burma.

Victoria Press, 111, 49th Street, Rangoon.

Zeya Nagara Press, 350, Barr St., Rangoon.

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Abdul Rahim Osman, 28th Street, Rangoon.

Adam Hajee Permohamed Es-sack, 23, 28th. Street, Rangoon.

Alimohamed Latif, 11-28th. Street, Rangoon.

Amarchand Madhowjee & Co, 53, Mogul St., Rangoon.

Anglo-Burma Rice Co., Ltd., 581, Merchant St., Rangoon.

Burma Rice & Produce Co., Ltd., 220, Strand Road, Rangoon.

Dewan Hajee Peermohamed Moosa, 40, 28th Street, Rangoon.

Ebrahim Shakoar. Akyah.

Ellermans Arracan Rice & Trading Co, 49, Phayre St., Rangoon.

Gangjee Premjee & Co., 74, Mogul St., Rangoon.

OR UP-TO-DATE JEWELLERY, Mitra Mookharjee & Co., 35, Ashutosh Mukherjee Road, Calcutta. 'Gram: 'Metallite,' Cal. Phone: South 1278. Y. B. 68

H. L. Hagemeister, 52/65, Barr Street, Rangoon.
 Hajee Ebrahim Kassam Cochinala, 46, 28th Street, Rangoon.
 Hajee Habib Hajee Peermohamed, 13, 28th Street, Rangoon.
 Haji Moosa Abdul Latif, 42, 28th Street, Rangoon.
 Jamal Bros. & Co., Ltd., 644, Merchant St., Rangoon.
 Joonas Osman, 31, 28th Street, Rangoon.
 Khoo Cheng Kang & Co., 336, Commissioners Road, Rangoon.
 Ko Ba Thein, North of Bazar, Pyawbwe, U. Zurma.
 Maganlal Pranjivan & Co., 121, Mogul Street, Rangoon.
 Pylon Awher New Rice Mill, 4th St., Paungde, L. Burma.
 Ramrakha Raghunathdas, 119, 46th Street, Rangoon.
 Steel Bros. & Co., Ltd., 622-626, Merchant Street, Rangoon.
 U. Po San Sons, Paungbyin.

RICE MILLS.

A. C. Baioccha's Rice Mill, Wethalagalay, Tharawaddy.
 A. I Rice Mill, Gyobingauk, Tharawaddy.
 Acha's Rice Mill, Thunbawgyin Qr., Bassein.
 Aik Chang Beng & Co., Kano-ungtoe, Rangoon.
 Anglo-Burma Rice Co., Ltd., Pazudaung, Rangoon.
 Asha Bibi's Angyi Rice Mill, Dallah, Rangoon.
 Aungmingala Rice Mill, Thor Binkwin, Henzada.
 Bala Rice Mill, Sitkwin, Tharawaddy.
 Burma Co., Ltd., Rice Mill, Lay-zu-gr, Tharawaddy.
 Burma Estates Ltd., Twante, Burma.
 Chee Whee Shain's Kadonsi Mill, Paung, Thaton.
 Dhamka Rice Mill, Pungdawthi, Pegu.
 Ellerman's Asiatic Rice & Trading Co., Ltd., Dawbonk, Rangoon.
 Excelsior Rice Mill, Sitkwin, Tharawaddy.
 Fair Weather & Richard & Co., Rd., Kemmendine, Rangoon.

Favourite Rice Mill, Letpadan, Tharawaddy.
 Gamnibi & Ahmed Hussein's Rice Mill, Gyobingauk, Tharawaddy.
 H. A. Azeez & Sons, 28, China St., Thamaing, Rangoon, Burma.
 Kallandan Rice Mill, Moulmein, Amherst.
 Khain Gwan Au Co.'s Rice Mill, Strand Road, Bassein.
 Ko Po Cho's Rice Mill, 5, Wagon-berk, Myaungmya.
 L. M. S. Mitchell's Rice Mill, Moulmein, Amherst.
 Law Ngwe Thet's Rice Mill, Minhla, Tharawaddy.
 M. B. Hamadani's Rice Mill, Nattalin, Tharawaddy.
 M. B. Hamadani's Yadana Bala Rice Mill, Gyobingauk, Tharawaddy.
 M. M. P. L. Palamappa Chettiar's Rice Mill, Nazirpara, Akyab.
 Mahmudul Haque's Rice Mill, Akyab.
 Mg. Ba Htu's New Seinru Rice Mill, Myanaung, Henzada.
 Mg. Ba Sein's Rice Mill, Ingabo Road, Henzada.
 Mg. Kyi Oh's Rice Mill, Okpo, Tharawaddy.
 Mg. Sah Myint's Rice Mill, Othegon, Tharawaddy.
 Mingalathiri Rice Mill, Gyobingauk, Tharawaddy.
 Mollandiam Mill, Kanountoe Creek, Hanthawaddy.
 Mupun Rice Mill & Co., Mupun, Amherst.
 Murga Rice Mill, Minhla, Tharawaddy.
 N. C. Malaka's Rice Mill, Thunbawgyin, Bassein.
 New Rice Mill Co., Okkan, Insein.
 Pinbaw Rice Mill, Pinbaw, Myitkyina Dt.
 Pylon Chantha Rice Mill, Thegon, Prome.
 Ranchoddass Jeyram & Co.'s Shreekrishna Rice Mill, Okpo, Tharawaddy.
 Rice & Cotton Mill Co., Singaing (Burma).
 Saw Eu Hoke's Rice Mill, Mannagan, Amherst.
 Satubonmika Rice Mill, Okpo, Tharawaddy.

POPULAR SPORTS LTD., (22/1, Chowringhee, Calcutta), advisers are
 Dhyan Chand, C. K. Naydu, Mustak Ali, K. Bose and others.

Salugala Rice Mill, Zainganaing, Pegu.

Sen Hong Lyan's Rice Mill, Kywebwe.

Seth New Rice Mill, Thunbawgyin, Bassein.

Sinobo Rice Mill, Sinobo Qi, Bassein.

Sriganesh Rice Mill, Gyobingauk, Thariawaddy.

Star Rice Mill Co., 64, Mg. Khine Street, Rangoon.

Talaing Nyum Rice Mill, Wakemaw, Henzada.

Tan Cheong Hanis Stai Rice Mill & Co., Kanoungtoe, Rangoon.

Thukhawuntha Rice Mill, Natmaw, Henzada.

Tiger Brand Rice Mill, Kanaung, Henzada.

Tiger Brand Rice Mill, Kanaung, Henzada.

Tong Lee Gwan & Co., Okpo, Thariawaddy.

U China New Rice Mill, Moulmeinngymun, Myaungma.

U Po, Rice & Cotton Mill Co., Sagaing.

U. Sanya's Shwelawin Rice Mill, Kadok, Pegu.

U. Thein's Zatila Rice Mill, Henzada.

U. Thwin's Rice Mill, Kanoungtoe, Rangoon.

V. M. C. P. Periana Chettyar's Rice Mill, Tawkanoot, Wakema, Myaungmya.

W. Kim Mun's Wong Chee & Co's Rice Mill, Moungan, Amherst.

Wa Chong Lone Co.'s Rice Mill, Dalah, Rangoon.

Yeo Kin Sein's Rice Mill, Letapdan, Tharawaddy.

ROPE WORKS.

Azaezee Steam Rope Works, Thamaing, Rangoon, Burma.

Burma Steam Rope Works, 90, Promie Road, Burma.

S. P. M. M. Abubaker & Bros., Thingenyum, Insein, Burma.

RUBBER ESTATES.

Bhamo Riverine Rubber Estt., Bhamo, U. Burma.

Burma Para Rubber Co., Ltd., King Island, Mergui, Burma.

King Island Estates, Mergui, L. Burma.

Mergui Crown Rubber Estt., Ltd., Sandawut, Mergui, L. Burma.

Moulmein Rubber Plantations, Ltd., Thanbyuzayat, Amherst.

New Amherst Rubber Estate, Thanbyuzayat P.O., via. Moulmein, Burma.

Pathee Choung Rubber Co., Ltd., Toungoo, Burma.

Rangoon Para Rubber Estt., Ltd., Twante, Hanthawaddy, Burma.

Settaung Valley Rubber Estate Ltd., Sunthaik, Toungoo, Burma.

Tamok Rubber Estt., Tamok, Mergui, Burma.

Tenasserim Heava Plantations, Mergui, Burma.

U. Po Thin, Shwegkin, Burma.

U. Tun U, Shwegyin, Burma.

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Naidu & Co., Ltd., 49, Phayre St., Rangoon.

Royal Stationery Supply Co., 410, Dalhousie St., Rangoon.

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Burma Harness & Saddlery Dept., 414-B, Sootee Baza Bazar, Rangoon.

Burma Nippon Kaisha, 263, Dalhousie St., Rangoon.

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Baboo H. Rookmaund's Saw Mill, Tavoyzoo, Moulmein (Also at Amherst).

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Burma Oil Co., Ltd., Saw Mill Chawh, Magwe, Burma.

Government Saw Mill, Ahlone, Rangoon.

Macgregor & Co., Ltd., Kemmendine, Rangoon.

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 Ratna Thiri Saw Mill, Myinmu. Sagaing, Burma
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 U. Ba Oh's Forester Saw Mill, Ela, Yamethin
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 Arakan Flotilla Co., Ltd., Akyab, Burma.
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 American Pioneer Line, Agents, Lionel Edwards Ltd., 80, Strand Rd., Rangoon
 Asiatic Steam Navigation Co., Ltd., 22-24, Phayre St., Rangoon
 Bengal Burma Steam Navigation Co., Ltd., 644, Merchant Street, Rangoon.
 Bibby Line, Agents, Steel Bros & Co., 70, Strand Rd., Rangoon
 British India Steam Navigation Co., Ltd., Phayre St., Rangoon
 Canadian Pacific Steamships Ltd., Phayre Street, Rangoon
 Dollar Steamship Line, Agents, Mackinnon Mackenzie & Co., Phayre Street, Rangoon
 Henderson Line, Agents, Steel Bros & Co., Ltd., 622, Merchant St., Rangoon
 Holland British India Line, Agents, Trading Co., 529, Merchant St., Rangoon

Irrawaddy Flotilla Co., Ltd., Phayre St., Rangoon
 Java-Bengal Line, Agents, Trading Co., 529-31, Merchant Street, Rangoon.
 Nippon Yusen Kaisha Line, 49, Phayre St., Rangoon.
 Osaka Shosen Kaisha, Agents, Senda & Co., 63, Merchant St., Rangoon
 Peninsular & Oriental Steam Navigation Co., Ltd., Phayre St., Rangoon
 Royal Packet Navigation Co., 529, Merchant St., Rangoon
 Scandinavian Line, Agents, Grams Trading Co., 80, Strand Road, Rangoon
 Scindia Steam Navigation Co., Ltd., 644, Merchant St., Rangoon.
 Swedish Line, Agents, Lionel Edwards Ltd., 80, Strand Road, Rangoon.

Yamashita Steamship Co., 13, Mg Taulay St., Rangoon

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Aga Ahmed Sherazee, 644, Merchant St., P. B. N 50, Rangoon.

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 Burma Stationery Supply Co., 78-9, Dalhousie St., Rangoon
 Lower Burma Stationery Supply Co., 109, 137 & 139, 32nd St., Rangoon.
 Oriental Stationery Mart, 103, 105, 107, 32nd St., Rangoon.
 Royal Stationery Supply House, 408-410, Dalhousie St., Rangoon
 Victoria Stationery Co., 466-468, Dalhousie Street, Rangoon.

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Shahmaw Sugar Factory of the Burmah Sugar Co., Ltd., Shahmaw, Myitkyna M/A Finlay Fleming & Co., Merchants St., Rangoon
 Zeyawadi Sugar Factory Ltd., Zeyawadi. M/D. Chandradeva Prokash Sinha, Rangoon.

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 M. C. Pinto, Dalhousie St., Rangoon.
 Oriental Tailoring Co., 335, Sparks Street, Rangoon.
 S. Gordon & Co., 47, Sule Pagoda Road, Rangoon.
 Whiteaway, Laidlaw & Co., Ltd., 70, Phayre Street, Rangoon.

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- A. Tosh & Sons, 233, Fraser St., Rangoon.
 Sangu Valley Tea Co, Akyab.
 U. Cho, Pyawbwe, U. Burma.

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- Rangoon Telephone Co., Ltd., Telephone House, 40th Street, Rangoon.

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 Bah Oh, Teak & Hardwood Co. Ltd., No. 2, Saw Mill, Hteedan, Rangoon.
 Bombay Burmah Trading Corp., Ltd., 104, Strand Rd., Post Box No 209, Rangoon
 Daw Kin Thein, Pegu
 East Asiatic Co. Ltd., 577, Merchant Street, Rangoon
 Foucey & Co. Ltd., 554, Merchant Street, Rangoon
 H. M. Morad Bux & Sons, 395, Kemendine Rd., Rangoon.
 H. Rockmanund, 561, Lower Main Road, Tavoyzoo, Moulmein.
 Indo-Burma Commission Agency, 43, Mogul St., Rangoon.
 J. A. Begbie & Co, Agts Venesta Plywood, Rangoon.
 MacGregor & Co, Ltd., 43, Phayre Street, Rangoon
 Mall & Sons, 523, Sawpit Lane, Kemendine, Rangoon
 Ngoon Lone & Co., Botataung, Rangoon.
 Oo Sai & Sons, Phoungdaw
 R. B. Adams Ltd., 61, Barr Street, Rangoon.
 Rai Bahadur Bhagwandas Bagla, 36, Mogul Street, Rangoon.

- Steel Bros., & Co, Ltd., 622-626, Merchant St., Rangoon.
 Swee Hain Lone & Co, Ahlone, Rangoon.
 U. Aye Maung, 511, Vinton Street, Kemendine, Rangoon.
 U. Bah Oh, K. I. H., 50, Phayre Street, Rangoon.
 U. Kya Hhi, Paungbyin, Burma.
 U. San Dun, Paungbyin, Burma.
 Upper Burma Wood & Co., Ella, Upper Burma. (Timber).

TOBACCONISTS.

- Burma Tobacco Co., 519, Merchant St., Rangoon
 Burma Universal Cigar Factory, Mogul St., Rangoon
 General Tobacco Co., 539, Merchant St., Rangoon.
 Indo Burma Tobacco Co., 112, 41st Street, Rangoon.
 Rangoon Tobacco Co., Ltd., 30, Strand Road, Rangoon
 Shekhu Brothers, Cigar Merchants, 198, Strand Road, Rangoon
 Tin Tin Cigars, Sule Pagoda Rd., Rangoon

TUBE WELL SUPPLIERS.

- Burma Tube-well Boring Co., 97, Lewis St., Rangoon.

UMBRELLA MFRS.

- E. C. Madha Bros, Umbrella Factory, 49-26th. Street, Rangoon.

WATCH & CLOCK DEALERS.

- Abdul Sattar, 317, Mg. Taulay St., Rangoon
 Ebrahim Esa, 140, Opp. Surati Mosque, Moulmein, L. Burma.
 Globe Watch Co., 505, Dalhousie St., Rangoon.
 Indo-Burma Watch Co., 497, Dalhousie St., Rangoon
 Okkala Co., 29, Yagyaw Road, Pazundaung P O., Rangoon

WEAVING ESTABLISHMENTS.

- Oriental Knitting Factory, 337, Sparks St., Rangoon.

WIRELESS STORES DEALERS.

- Universal Radio Stores, 97, Lewis St., Rangoon.

WOOLLEN GOODS DEALERS.

- Okay Linen & Wools Coy., 183, Scott Market, Rangoon.

OLD GOLD & JEWELLERIES BOUGHT FOR CASH OR EXCHANGED
 Mitra Mookharjee & Co., 35, Ashutosh Mukharjee Road, Calcutta.

TRADE DIRECTORY OF NEPAL.

AERATED WATER MANUFACTURERS & DEALERS.

Mahantlal Sunderlal Joshi, Bheda-singh Tole, Kantipur.

AGENTS CLEARING.

Beharilal, Madan Mohan, Kantipur.

Harsha Nath & Bios, (Upper India Clearing & Forwarding Co, Calcutta), Kantipur. B. — Tripureshwar.

AGENTS FORWARDING.

Brahma Lall, Ishwaril Lall, Raxaul.

Dil Bahadur, Birta Bazar, Birgunj

Janak Lall, Siddhi Raj Bana, Birta Bazar, Birgunj & Raxaul
Naib Subba Krishna Dass, Malchani Adda, Government Contractors, Head Office — Kathmandoo Tole, Kantipur.

ARTWARE MANUFACTURERS & EXPORTERS.

Haikha Bahadur, Man Bahadur Sakyavansa, 55, Nakhahil Tole, Lohitpur

Siddhi Nai Sing Haishapati Sakyavansa, Thama, Ubahal Tole, Lohitpur.

BANKS & BANKERS.

The Nepal Bank Ltd, Kantipur.
Ganesh Lall, Brahma Lall, Juddha Sadak, Kantipur.

Kirti Bahadur, Keshai Bahadur, Indra Chowk, Kantipur.

Krishna Bahadur, Kimat Bahadur, Bhedasing Tole, Kantipur

Meen Bahadur, Kathmandu Tole, Kantipur

Sankar Lall, Gouri Shanker, Podhe Tole, Kantipur.

BETEL-LEAF DEALERS.

Baliram Baiami, Asan Tole, Kantipur

Lachhuman Bardi, Kel Tole, Kantipur

BISCUITS MANUFACTURERS & DEALERS.

Bhaktapore Taleju Biscuit Works, Tulachhen Tole, Bhaktapore

Bhawani Bir Singh Daya Bir Singh, Kel Tole, Kantipur.

Buddhuman Udayaman Raj Bhandari, 66, Nhaikantala Tole, Kantipur.

Rudra Karmacharyya, Tulachhen Tole, Sukhuhoka, Bhaktapore

BOOKBINDERS.

Bhagwan Vishnu Press, 262, Thabahal Tole, Kantipur

BOOKSELLERS & PUBLISHERS.

I. B. Commercial Depot, 19, Swatha Tole, Lohitpur.

Mahavir Chiniya Man, Makhan Tole, Kantipur.

Nepal Dharma Book Depot, 19, Swatha Tole, Lalitpur.

Nepali-Bhasha Prakashini Samity, (Govt. Publishers), Ranipokhari, Kantipur

Pandit Riktha Dev Sharma, Pashupati Press, Fasikeba Tole, Kantipur.

Rajbhandariy Buddhi Man, Udaya Man, 66, Nhaikantala Tole, Kantipur.

S. R. B. Malla, Joiganesh Press, Pako Pokhaldyang, Kantipur.

Saraswati Book Depot, Juddha Saddak, Kantipur.

BOOTS & SHOES IMPORTERS & DEALERS (Rubber & Canvas).

Bhakta Lal, Makhan Tole, Kantipur.

Deb Joti, Dharma Joti Sakyavansa, Thyaka, Nabahal Tole, Lohitpur

Ganesh Man, Tyangal Tole, Kantipur.

Jit Govind Hari Govind, Doubahal Tole, Lohitpur

Noti Man, Ratna Man, New House, Juddha Sadak, Kantipur.

Prithwi Lall, Govind Lall, Thathu Tajhyal, Mangal Bazaar, Lohitpur.

POPULAR SPORTS LTD., (22/1, Chowringhee, Calcutta), advisers are Ganesh De, Pankaj Gupta, G. Paul, Samad, S. Banerjee and others.

Ram Lachhman, Chanki Tole, Lohitpur.

BOOTS & SHOES IMPORTERS & DEALERS (Leather).

Hira Lal Nakarmi, Thahity Tole, Kantipur.

Jahiruddin Bahuuddin, 166, Naghal Tole, Kantipur.

Jnan Brotheis, 91, Tebahal Tole, Kantipur.

Kashmi Shoe Store, Bhotahity Tole, Kantipur.

Lal Bahadur Josi, Nanak Lal & Co., Bhadrakali House, Kantipur.

Mahmad Ishak Md Afok, Thahity Tole, Kantipur.

Moti Man, Ratna Man, New House, Juddha Sadak, Kantipur.

Naghal Shoe Store, Nagal Tole, Kantipur.

S. Afzal Shah & Bros, Thahity Tole, Kantipur.

BOOTS & SHOES MANUFACTURERS & EXPORTERS

(Cloth & Rubber).

Bhakti Raj, Asan Tole, Kantipur.

Lakshmi Prasad Pradhan K, Cloth Shoe Factory, Bhotahity Tole, Kantipur.

Maharatna Sikrikai, Tebahal Tole, Kantipur.

Prem Vajracharya, Makhan Tole, Kantipur.

Sete Tuladhar, Asan Tole, Kantipur.

Tumtumbaji Dharma Ratna Kansakar, 8, Bhosiko Tole, Kantipur.

Tumtumbaji Subha Ratna Kansakar, Kamalachhi Tole, Kantipur.

Tutuman Tuladhar, Nepali Kapada Jutta Karkhana, Makhan Bahal, Kantipur.

BOOTS & SHOES MANUFACTURERS & DEALERS (Leather).

Gore Sarki, Dilli Bazar, Kantipur.

BRASS & BELL METAL GOODS MFRS. & EXPORTERS.

Dev Raj Sakyavansa, Nau Bahal, Chakbahal Tole, Lohitpur.

Harsha Raj, Narsing Raj Sakyavansa, Ihane & Dhalayachha, Lohitpur.

Mahabir & Sons, Parko Tole, Lohitpur.

Punyajoti Asakaji Sakyavansa, Joshinani, Ihane, Lohitpur.

Rajman Singh, Bekha Narsing Sakyavansa, Dhalayacha, Lohitpur.

Sidhi Narsingh, Harshapati Sakyavansa, Thaina, Ubahal Tole, Lohitpur.

BRASS & COPPER IMPORTERS

Bhaju Krishna Dev Krishna, Ikhalakhu Tole, Lohitpur.

Dhirjaman Singh, Kajiman Singh, Napasal, Lohitpur.

Jeev Krishna, Lakshmi Krishna, Ikhalakhu Tole, Lohitpur.

Jit Gobind, Hari Gobind, Doubahal Tole, Lohitpur.

Juju Man, Siddhi Man Sakyavansa, Bakunani, Nagbahal, Ihane, Lohitpur.

Kuti Raj, Kul Bahadur Sakyavansa, Nagbahal, Ihane, Lohitpur.

Rajman Singh Ram Dass Joshi, 66, Kel Tole, Kantipur.

Ratnabin Ambaiya Shrestha, Bhimsenthana, Kantipur.

BRASS & COPPER WARE MERCHANTS.

Bhaju Krishna Deb Krishna, Juddha Sadak, Kantipur.

Buddhi Ratna Kansakar, Asan Tole, Kantipur.

Jit Govind, Hari Govind, 26, Juddha Sadak, Kantipur.

Jiy Krishna, Lakshmi Krishna, Juddha Sadak, Kantipur.

Ram Prasad Tamang, Chasukhela Tole, Bhaktapora.

BULLION MERCHANTS AND IMPORTERS.

Bahadur Sing Yapajoti, Gabahal Tole, Lohitpur.

Chandria Bahadur, Lal Bahadur, Bhairabsthan, Makhan Tole, Kantipur.

Ganesh Lal, Ishwari Lal, Juddha Sadak, Kantipur.

Ganesh Lal, Tumbahal Tole, Lohitpur.

Kuti Bahadur, Keshari Bahadur, Indira Chowk, Kantipur.

Krishna Bahadur, Kimat Bahadur, Bhedasing Tole, Kantipur.

LAKSHMIBILAS HAIR OIL—BEST HAIR GROWER.
M. L. BOSE & CO, LTD, CALCUTTA.

Meen Bahadur, Kathmandu Tole, Kantipur.

Sankai Lall, Gouri Shankar, Podhe Tole, Kantipur.

BUTTONS (BRASS) MANUFACTURERS & DEALERS.

Dharma Ratna Sakyabhikshu, 149, Jhochhen Tole, Kantipur.

Hira Lall, Nakarmi, Thahity, Kantipur.

Sangha Ratna Sakyabhikshu, 160, Naghal Tole, Kantipur.

CANDLES (WAX) MANUFACTURERS & EXPORTERS.

Bekhasatna Karunasatna, 7, Bhesiko, Tasithu, Kantipur.

CAP MFRS. & EXPORTERS.

Master Khadga Lal, 1, Thahity Tole, (Woollen), Kantipur.

Surya Lal, Hira Lal, 2, Juddha Sadak, Kantipur.

CAP MANUFACTURERS & DEALERS.

Haian B Bhikshu, Mangal Bazar, and Ibahil Tole, Lolitpur.

Kanchha Gubhaju, Bahfal, Lolitpur.

Kaviraj Brahmachariya Bhikshu & Son, Ibahil Tole, Lolitpur.

CAP ACCESSORIES IMPORTERS & DEALERS.

Ganesh Prasad, Govind Lal, Kel Tole, Kantipur.

CELLULOID & RUBBER GOODS MANUFACTURERS & DEALERS.

Ambai Bahadur Khatri, Dilli Bazar, Kantipur.

CIGARETTE MANUFACTURERS.

Nepal Cigarette Factory, Yekha, Nancumako, Kantipur.

CIGARETTE IMPORTERS.

Krishna Lal, Kirti Lal, Dhalechen, Lalitpore.

CLOTH MANUFACTURERS & EXPORTERS.

Bansi Lal, Mukunda Lal, Lalitpore Hand Loom Factory, at Chakrapat, Lalitpore.

Dharma Beer Singh & Son, Janbahal, 71, Asan Tole, Nepal.

Vastra Kala Bhavan (Cotton, Wool & Silk), Kantipur.

Govt Technical School (Weaving Dept), Kantipur.

Hanuman Prasad Marwari, Mubahal, Wotu Tole, Kantipur.

Hari Narayan Marwari, Indra Chowk, Kantipur.

Kaliam Marwari, Cloth Factory, Wotu Tole, Kantipur.

S. M. Baidya, B. D., Cloth Factory, Swatha and Tangal Tole, Lolitpur.

Shankar Das Pradhan, Sadar Jail Works (Weaving Dept), Kantipur.

Tulsi Mehar Shrest, Chandra Kamdhenu Charka Prachar Mahaguthi, Samkhamol Tole, Lolitpur.

CLOTH MERCHANTS.

(Home-made).

Asa Lal Srestha, Chochhen Tole, Bhaktapore.

Babu Ram Bhairath Ram, 199, Tangal Tole, Lolitpur.

Bishnu Piasad & Sons, Balucha Tole, Bhaktapore.

Sanudharma Deo Udas, Nashman Tole, Kathe Simbhu, Bhaktapore.

Thakur Dass, Krishna Prasad, Tangal Tole, Lolitpur.

COMMISSION AGENTS

Babu Ram Bhairath Ram, Tangal Tole, Lolitpur.

CONFECTIONERY GOODS MANUFACTURERS & DEALERS.

Agni Dhar Halwai, Tangal Tole, Lolitpur.

Nanda Beer, Nanda Bahadur Halwai, Mangal Bazar, Lolitpur.

Naran Shiesht, Nardeb Tole, Kantipur.

Ram Chandra Halwai, Nhu Bahal Tole, Lolitpur.

Ram Krishna Halwai, Confectionery House, Mangal Bazar, Lolitpur.

Vidya Lal Halwai, Mammadu Galli, Mangal Bazar, Lalitpur.

COOKER MANUFACTURERS.

Pt. Premraj Sharma, Ombahal Tole, Kantipur.

COTTON MERCHANTS.

Motiman, Ganeshman Ranjkar, Chikanmugal Tole, Kantipur.

Katnabir Ambar Raj Shrestha, Bhimsenthnan, Kantipur.

PICTURE POST CARDS OF ARTISTIC DESIGNS AVAILABLE AT CALCUTTA COMMERCIAL BUREAU, KALIGHAT, CALCUTTA.

COTTON PIECEGOODS IMPORTERS.**Kantipur.**

Bhawani Bir Singh, Daya Bir Singh, Kel Tole, Kantipur.
 Dharma Bn Singh & Son, Janbahal, Asan Tole, Kantipur.
 Lal Bahadur, Sri Prasad Raj Bhandary, Tyouda Tole, (Silk etc), Kantipur.

Lokesh Man, Shree Man, Khilha Tole, Kantipuri.

Pushkar Rudra, Asan Tole, Kantipur.

Raj Man Singh, Ram Dass Joshi, Kel Tole, Kantipur.

Sapta Bir Singh, Asan Tole, Kantipuri.

Shyam Krishna, Hari Krishna, Makhan Tole, Kantipur.

Toya Raj Joshi, Nepali Kapada Kothi, Juddha Sadak, Kantipur

Lalitpur.

Babu Ram Bharath Ram, Tangal Tole, Lalitpur

Bahadur Singh Yapajoti, Gabahal Tole, Lalitpur

Bansi Lal Mukunda Lal, Nayalakhu Tole and Pubahachhen, Lalitpur

Bhaju Krishna Dev Krishna, Ikhalakhu Tole, Lalitpur

Bhawani Das, Bhajunaran Khadgi, Kankeshwar, Lalitpur.

Bheemjoti Devjoti Dhakhwa Sakyavansa, Dhalayacha, Lalitpur. (Indent Bi Kulratna Bekharatna Dhakhwa, 35, Cross Street, Calcutta).

Deepjoti Dharmajoti Dhakhwa Sakyavansa, Dalachhen, Lalitpur

Ganesh Lal, Tumbahal Tole, Lalitpura.

Jit Govind Hari Govind, Doubahal Tole, Lalitpur.

Krishna Lal, Kuti-Lal, Dhalachhen, Lalitpur.

Ram Lachhman, Chanki Tole, Lalitpur.

Thakur Das, Krishna Prasad, Mangal Tole, Lalitpur

Bhaktapur.

Dharni Dhar, Bindu Dhai, Bansu Gopal, Bhaktapora.

Lokesh Man Shree Man, Bhaktapora. Head Office —Khila Tole, Kantipore

Kishnalal, Rambhakta, Bhaktapora.

Kishna Lal, Biku Lal, Tekha Tole, Bhaktapora.

Raj Man Singh, Ram Das Joshi, Swammola Tole, Bhaktapora.

Ram Das, Shiv Prasad, Bhaktapora

Sambha Kumari, Tarni Kumar, Bansu Gopal, Bhaktapora.

GRAYON MNFRS. & DEALERS.

Ram Beejkoohhen, Kantipore

Chalk Manufacturing Works, Asan Tole. Teudo, Dhalasiko. Kantipur

CURIO GOODS MNFRS.

Biata Raj Sakyavansa, Nhyafale Tole, Jyatha, Lalitpuri.

Dev Ratna Prem Bahadur Sakyavansa, Curio House, Ikchachhen, Nabahil Tole, Lalitpur.

Harsha Raj Narsingh Raj Sakyavansa, Ithane & Dhalayacha, Lalitpur

Jog Man Sakyavansa, Thaina, Saugai Tole, Lalitpur.

Mahabir & Sons, Paiko Tole, Lalitpore.

Punya Joti Asakaji, Josinani, Ithane, Lalitpur

Punya Raj, Kaji Man Sakyavansa, Thaina, Saugai Tole, Lalitpur

Raj Man Singh, Harkha Raj Sakyavansa, Naur Bahal, Chak Bahal Tole, Lalitpur.

Siddhi Narsing, Haishapati Sakyavansa, Ubahal Tole, Thaina, Lalitpur

CURIO GOODS MERCHANTS

Huz Kaji Sakyabhikshu, Tarhan Bahal, Wotu Tole, Kantipur

Ratna Bir Singh, Bhim Ratna, Kel Tole, Kantipur.

CYCLE & ACCESSORIES IMPORTERS & DEALERS.

Jubilee Cycle Bhandar, 12, Juddha Sadak, Kantipur.

Lajmpat Motor Works, Lajmpat, Kantipur

Mandas & Chittadhai Upasak, Kamalachhi Tole, Kantipur

Mani Raj Joti Raj, Ikhalakhu Tole, Lalitpur

OLD GOLD & JEWELLERIES BOUGHT FOR CASH OR EXCHANGED
 Mitra Mookherjee & Co., 35, Ashutosh Mukherjee Road, Calcutta.

Pancha Narain, Ashta Narain, Manandhar, Kamalachhi Tole, Kantipur.

Ram Lachman, Chanki Tole, Lolitpur.

DAIRY PRODUCTS DLRS.

Asha lall, Chochhen Tole, Bhaktapole.

Indra Lall Pradhan, Chhochhen Tole, Bhaktapole.

Krishna Prasad Upadhyaya, Nepal Dairy Farm, Tahachal, Kantipur.

DRUGS AND HERBS DEALERS & EXPORTERS.

Nanda Gopal Jagat Gopal, Jhatapole Tole, Lolitpur.

Raj Brisha Medical Store, 19, Swatha Tole, Lolitpur.

DYE MANUFACTURERS & EXPORTERS.

Lalit Man, Dye Manufacturing Works, Pyookha Tole, Kantipur.

DYE IMPORTERS & DEALERS.

Guna Raj, Ashwini Kumari, Tripureshwar, Kantipur.

Harshanath & Bros, Indrachowk & Tripureshwar, Kantipur.

Kalidhwaj Patravansa, Jaisideval, and Tripureshwar, Kantipur.

Motiman Ganeshman Ranjtkai, Chicanmugal Tole, Kantipur.

Ratna Lal, Ratna Bahadur Shrestha, Mahabuddha, Kantipur.

DYERS AND PRINTERS.

Bhagwan Das, Nyouta Tole, Laltpore.

Bhajuman Ranjtkar, Gabahal Tole, Lolitpur.

Buddhulal Ranjtkar, Manjeswari, Kantipur.

Chutra Prakash, Chutra Dyeing and Printing Works, Thapathali, Kantipur.

Indra Man Ranjtkar, Tangal Tole, Lolitpur.

Jut Bahadur Ranjtkar, Nyouta Tole, Laltpore.

ELECTRIC GOODS DEALERS.

Bhawani Bir Singh, Daya Bir Singh, Kel Tole, Kantipur.

G. Ratna & Bros, "Musical House," Legan Tole, Kantipur.

Moti Man Ratna Man Tuladhar,

New House, 13 Juddha Sadak, Kantipur, and Asan Tole, Kishidhoka, Kantipur.

Nhucchenaran Manandhar, Nepal Electric Stores, Kilagal Tole, Kantipur.

ELECTROPLATING WORKS.

Dharma Ratna Sakyabhikshu, Jhochhen Tole, Kantipur.

Sanu Babu, Triratna Sakyabhikshu, Juddha Sadak, Kantipur

EMBROIDERY GOODS DEALERS.

Adivajia Vajracharyya, Ihane, Nagbahal, Lolitpur.

Miss Chandra Kanta Joshi, Bangemudha, Kantipur.

Pt. Chandrakant Upadhyaya, Indra Chowk, Kantipur.

FANCY GOODS IMPORTERS & DEALERS.

Moti Man Ratna Man, New House, 13, Juddha Sadak, Kantipur

FIBRE EXTRACTOR & EXPORTER.

Ram Hari Sharma, Fibre Extracting Factory, Nepalgunj

FLOUR MILLS.

Sagarmall Marwari, Biratnagar.

FRAME MANUFACTURERS & EXPORTERS.

Hira Man Sthapit, 71, Lagan Gofale Tole, Kantipur.

Mohan Lal Lohakarmi, Jwambahal Tole, Lolitpur.

Punya Raj Sakyavansa, Sibahal Tole, Lolitpur.

Ram Bahadur Pradhanang, The Nepal Frame Factory, Nyatapacho Tole, Kantipore

Sahila Lohakarmi, Jwambahal Tole, Lolitpur.

FURNITURE MNFRS.

Bekha Raj Lohakarmi, Ikhalakhu Tole, Jwambahal, Lolitpur.

Bir Bahadur Panna Lal, Dugan Bahil, Kantipur.

Lajanpat Furniture Works, Lajanpat, Kantipur.

Nepal Art Carpentry Works, Nagahal Tole, Kantipur.

Shiva Ratna Sthapit, Thatunani, Dilli Bazar, Kantipur.

FURNITURE IMPORTERS.

Moti Man Ratna Man, New House,
13, Juddha Sadak, Kantipur

**FURNITURE & CARVED FRAME
MNFRS. & IMPORTERS.**

Raj Man & Sons, Golmari Tole,
Bhaktapore.

Shankar Das & Shankar Lal, Te-
khapukhu Tole, Bhaktapore

GENERAL MERCHANTS.**Lalitpur.**

Bahadur Singh Yapa Joti, Gaba-
hal Tole, Lalitpur

Bhaju Krishna Dev Krishna, Ik-
halakhu Tole, Lalitpur.

Gopal Das Keshab Lal, 132-Dathu
Tajhyal, Lalitpur

Jit Bahadur Purna Bahadur
Dhakha, Akibahal, Nhyachuk,
Lalitpur

Jit Govind Hari Govind, Daubahal
Tole, Lalitpur

Joti Raj Ananda Raj, Sahani Tole,
Lalitpur

Kirti Raj Kul Bahadur Sakyavan-
sa Dhakhwa, Nagbahal, Ihane,
Lalitpur

Mani Raj Joti Raj, Ikhalakhu
Tole, Lalitpur

Pitthwi Lal Govind Lal, Thathu
Tajhyal, Mangal Bazar, Lalit-
pur.

Ram Lachhman, Chanku Tole,
Lalitpur

Samayananda Dharm Ratna Sa-
kyavansa Dhakhwa, Akibahal,
Ihane, Lalitpur

Siddhi Raj Sakyavansa, Akibahal,
Ihane, Lalitpur

Kantipur.

Asaman Gyanbai Singh, Nepal
Bhairab Trading Hall, 66, Cho-
khachhen Gally, Kantipur.

Bhaktalal Shrestha, Makhan Tole,
Kantipur

Jnan Brothers, 91, Tebahal Tole,
Kantipur

Jog Ratna, Dibya Ratna, Bho-
taby Tole, Kantipur.

Kabindra Bahadur, Narain Baha-
dur, India Chowk, Kantipur

Krishna Bahadur, Ram Bahadur,
Bhimsenthan, Kantipur

Lal Bahadur Joshi & Janak Lal
Co., Bhadrakali House, Kanti-
pur.

Luxmi Store, 93, Kamalachhi
Tole, Kantipur.

Narainbhatta, Ratnaman Shrestha,
India Chowk, Kantipur

Nhuchhelal Ganeshbahadur, Asan
Tole, Kantipur

Rajaman Singh, Ram Das Joshi
66, Kel Tole, Kantipur.

Bhaktapur.

Bishnu Bhagat, Thanchhen Tole,
Bhaktapur

Bishnu Prasad Joshi, Bolachhen,
Bhaktapur

Dhaini Dhai Bindu Dhar, Bansa
Gopal, Bhaktapur

Lakshmi Bhakta, Vishnu Bhakta
Munankarmi, Bhaktapur

Raj Man Singh Ram Dass Joshi,
Swammola Tole, Bhaktapur.

GHEE MERCHANTS & DEALERS.

Bhuban Narain Joshi & Bros.,
Mahapal Tole, Lalitpur

Juju Man Sakyavansa, Jhatapole
Tole, Lalitpur

**GLASSWARE MANUFACTURERS
& EXPORTERS.**

Nepal Crystal Works, Ikchachhen
Tole, Lalitpur.

**GRAIN MERCHANTS &
EXPORTERS.**

Dev Raj Bishmacharyya Bhichhu,
Chyasal Tole, Lalitpur.

Devratna Sakyavansa, Jhatapole
Tole, Lalitpur

Jujuman Sakyavansa, Jhatapole
Tole, Lalitpur

Kailash, Swatha Tole, Lalitpur.

Krishna Deb Manandhar, Behind
the Barun Yantia (Fue Bri-
gade), Kantipur.

Lakshmi Dhan Sakyavansa, Om-
bahal Tole, Nyouta, Lalitpur

Rudra Lal Shrestha, Hougai Tole,
Lalitpur

**GRAMOPHONE RECORDS
IMPORTERS & DEALERS.**

Lal Bahadur Joshi & Janak Lal
Co., Bhadri Kali House, Lum-
bini, Kantipur.

Manick Man Gyan Man Tuladhar,
Asan Tole, Kishidhoka, Kanti-
pur.

Saifuddin Bros., Juddha Sadak,
Kantipur.

**PICTURE POST CARDS OF ARTISTIC DESIGNS AVAILABLE
AT CALCUTTA COMMERCIAL BUREAU, KALIGHAT, CALCUTTA.**

HARMONIUM IMPORTERS.

Moti Man Ratna Man, New House,
13, Juddha Sadak, Kantipur.

HOSIERY GOODS MANFRS. & EXPORTERS.

Asa Ratna Tuladhar, Kamalehhi
Tole, Kantipur.

K. Asa Man, Hosiery Works,
Nepal Bhairab Trading Hall,
Chokhachhey Gally, Kantipur.

K Moti Man, Kathmandoo Tole,
Kantipur.

Manick Man Gyan Man, Asan
Tole, Kishidhoka, Kantipur.

Nepal Swadeshi Bhandari, 4, Jud-
dha Sadak, Kantipur.

Nepal Swadeshi Goods Store, 12-
Swatha Tole, Lolitpur.

Shankar Das Pradhan, Sadai Jail
Works (Hosiery Sec.), Kanti-
pur.

HOSIERY GOODS IMPORTERS.

Bhimjoti Devjoti Sakyavansa,
Dhakawa, Nagbahal, Ihane,
Lolitpur.

Lall Bahadur Joshi, Janak Lall &
Co., Bhadrakali House, Luma-
asthan, Kantipur.

Moti Man Ratna Man, New House,
13, Juddha Sadak, Kantipur.

HOOKS MANUFACTURERS.

Gopal Joshi, 41, Kel Tole, Kanti-
pur.

Lakshmi Lall Lohakarmi, Dilli
Bazar, Kantipur.

IRON & IRON GOODS MRCHTS.

Bu Bahadur Ganga Bahadur Prad-
hanang, Kel Tole, Kantipur.

Dev Kumar Dev Prasad Pradhan-
ang, Kel Tole, Kantipur.

Raj Bhandari Buddha Man &
Oday Man, 66, Nhalakanta
Tole, Kantipur.

Raj Man Singh Ram Dass Joshi,
66, Kel Tole, Kantipur, Swam-
mola Tole, Bhaktapore.

IRON & IRON GOODS IMPORTERS

Jit Raj Prayag Raj, Napasal,
Parko Tole, Lolitpur.

Madan Raj Bhim Raj, Napasal,
Parko Tole, Lolitpur.

Ratna Raj Narendia Raj, Parko
Tole, Lolitpur.

Trith Raj Madan Raj, Napasal,
Parko Tole, Lolitpur.

IRON GOODS MANUFACTURERS.

Mistri Kaji Man, Khalpokhari,
Chhetipaty, Kantipur.

Ratna Bahadur Nakarmi, Lagan
Tole, Kantipur.

IVORY GOODS MNFRS.

Mahila Lohakarmi, Jwambahal
Tole, Lolitpur.

Punya Raj Sakyavansa, Gabahal
Tole, Lolitpur.

Sahila Lohakarmi, Jwambahal
Tole, Lolitpur.

JEWELLERY IMPORTERS.

Bahadur Singh Yapajoti, Gabahal
Tole, Lolitpur.

Birata Raj Sakyavansa, Nhyafale
Tole, Jyatha, Lolitpur.

Chet Krishna Nanda Krishna,
Jhochhen Tole, Kantipur.

Dan Bahadur Sakyabhikshu,
Kohity Bahal, Kantipur.

Kul Dhar Sakyabhikshu, Kohity
Bahal, Kantipur.

Mohan Man, Chet Krishna Shres-
tha, Jhochhen Tole, Kantipur.

Mankaji Motikaji Sakyabhikshu,
Naghal Tole, Kantipur.

Nar Bahadur Sunai, Kalmati
S Titha Raj, Manandhar, Jho-
chhen Tole, Kantipur.

Tej Bahadur Nar Bahadur, "Kash-
muni Krishna House" Mahapal,
Tulanhe Tole, Lolitpur.

JEWELLERY MANUFACTURERS.

Bhanab Singh Gubhaju, Olabahal
Tole, Lolitpur.

Bheem Raj Sakyavansa, Nhyafale
Tole, Taja, Lolitpur.

Man Joti & Sons, Okubahal Tole,
Lolitpur.

Nhuchhe Raj Vajracharyya, Koha-
hala Tole, Lolitpur.

Narman & Sons, Kwathunda Tole,
Bhaktapore.

Purnaman & Sons, Kwathunda
Tole, Bhaktapore.

Sanu Babu Triatna Sakyabhik-
shu, Juddha Sadak, Kantipur.

Tuyu Sakyavansa, Hakha Tole,
Lolitpur.

JUTE MILLS.

Biratnagar Jute Mills Ltd., Birat-
nagar.

KEROSENE OIL IMPORTERS.

Dwaitika Lall, Bekha Lall Shresh-
tha, Dhoka Tole, Kantipur.

**PICTURE POST CARDS OF ARTISTIC DESIGNS AVAILABLE
AT CALCUTTA COMMERCIAL BUREAU, KALIGHAT, CALCUTTA.**

Gopal Dass, Keshub Lall, 132, Dathu Tahiryal Tole, Lalitpur.
Guara, Harsha Lall, Khadga, Kon ti, Lalitpur.
Krishna Beer Khadga, Tapahity, Lalitpur.
Krishna Lall, Kirti Lall, Dhala-chhen, Lalitpur.
Lakshmi Bahadur, Bakhat Bahadur, Mangal Bazar, Lalitpur.
M. Harkha Lall, Ratna Lall, Maru Tole, Kantipur.
Man Krishna, Chandra Man Shreshta, Maru Tole, Kantipur.
Santa Bahadur Karma Bahadur Shreshta, Bhimsenthan, Kantipur.
Saj Siddhi Gubhaju, Makhan Tole, Kantipur.

LACE & ART EMBROIDERY GOODS MNFRS. & DEALERS.

Ambar Man Ranjitar, Majupat Tole, Kantipur.
Krishna Bahadur Rana, Wotu Tole, Kantipur.
Naran Ranjitar, Wombahal Tole, "Nhoosal, Kantipur.
Ram Bhagat Krishna Bhagat, "Indrachowk, Kantipur.
Udaya Lall, Prayag Man, Kilagal Tole, Kantipur.

LAMPWARE MNFRS. & EXPORTERS.

Dharma Ratna Sakyabhuksu, Nepal Light Factory, 149, Jhochhen Tole, Kantipur.
Jit Govind, Hari Govind, Douhal Tole, Lalitpur.
K Asa Man Gyanbir Singh, Nepal Bhairab Trading Hall, Chokha-chhen Gally, Kantipur.
Niljoti Sakyavansa & Son, Hakha Tole, Lalitpur.
Samu Sakyavansa, Sundhara, Se-kubahal Tole, Lalitpur.

MACHINERY IMPORTERS.

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Manick Man Gyan Man, 26, Asan Tole, Kishidhoka, Kantipur.

MATCH FACTORIES.

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MATCH IMPORTERS.

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MEDICAL GOODS IMPORTERS (Allopathic).

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Asha Man, Naghal Tole (Dentist), Kantipur.
Dr. J S Malla, M.B., Nepal Anushadhalaya, 28, Juddha Sadak, Kantipur.
Dr. Ratna Das, Tripureshwar, Kantipur.

Ghan Man, Naghal Tole (Dentist), Kantipur.
Pashupati Medical Hall, Bag Bazar, Kantipur.
Yamaleswar Anushadhalaya, Bhotahity Tole, Kantipur.

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Hasarimull Marwari, Bratnagar
Indra Raj Mukti Raj, Ayurvediya Amrit Anushadhalaya, Bhimsen then & Chyasal, Lalitpur.
J M Baidya—Bhikshacharyya, M.A., D.Dh., Raj Briha Medical Store, 19, Swatha Tole, Lalitpur.

Kaviraj Ekananda Vaidya Bhishagrafa Bhushagacharyya, Himat Anushadhalaya, 24, Juddha Sadak, Kantipur.

Kaviraj Pandit Tankanath Sharma Shastri, 1, Tebahal Tole, Kantipur.

Kaviraj Sardar Shivrath Upadhyaya, Dilli Bazar, Kantipur.

Kul Raj Vaidya, Ombahacha, Chyasal Tole, Lalitpur.

Lokananda Baidya, Ombahal Tole, Kantipur.

Otto Office, Gour Bazar, Routahat Dist.

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Bu Bahadur Pannalal, Pyodkha Tole, Kantipur

Huamoti Kansakar, 27 Juddha Sadak, (Autoparts), Kantipur.

Kul Bahadur, Motor Works, Lajapat, Kantipur.

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Tej Bahadur, Nar Bahadur, Nepal Kashmuri House, Tulanhe Tole, Mahapal, Lolitpur

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Prithwi Lal, Govind Lal, Rice Mill, Thathu Tajhyal, Mangal Bazar, Lohtpur.

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Krishna Lal, Kirti Lal, Dhalechhen, Sundhara, Lohtpur.

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Ram Lachhman, Chanki Tole, Lohtpur.

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Chakrara, Dhwanar Singh Amatya, Kobahal Tole, Lohtpur.

Gopal Das, Keshab Lal, 132, Dathu Tajhyal, Mangal Bazar, Lohtpur.

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Rajbhandary Buddhi Man & Uday Man, 66, Nhaikantala Tole, Kantipur.

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Dev Raj Brahmacharyya Bhikshu, Chyasal Tole, Lohitpur.

Dharma Raj, Bhunchabahal Tole, Lohitpur.

Dhujabeer Nuchhebeer Co, Gaba-hal Tole, Lohitpur.

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Krishna Lal Kuti Lal, Dhala-chhen, Lalitpur.

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Sinha's Factory, 155, Wombahal Tole, Kantipur.

Surya Perfumery Works, Kandeotathan, Bagmatipul, Lalitpur.

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Ganesh Lal, Tumbahal Tole, Lalitpur.

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Astrological Magazine, Maleswaram, Bangalore, Monthly,

English. Subs. Rs. 3/6/-, Adv. Rate per page Rs. 28, per Col. Rs. 16/-, Cols. 8" X 2 1/2", 2 to page.

Daily Al-Kalam, 116, Kalaspalyam, Bangalore City. Moderate Nationalist, Urdu, Subs. Rs. 18, Adv. rate per page Rs. 64, per Col. Rs. 18, per inch Rs. 1, Cir. in Southern India, Col. 16" X 2 1/2", 4 to a page, Daily except Friday.

Garland, Malleswaram, Bangalore. Monthly, English.

Humanist, Jayabhavan, Bangalore, Monthly, English.

Insurance Magazine, 26, Cubbon Road, Bangalore Monthly, Eng.

Karnataka Sahitya Parishat Patilika, Bangalore. Kaunada, Quarterly, Subs Rs. 4/-.

Makkala Pustaka, Makkala Pustaka Press, Balepet, Bangalore City. Kanarese, Monthly, Subs Rs. 3.

Mysore Economic Journal, 19, Gundopunt Bldgs. Siddicutt, Bangalore, Economic. Monthly, English Subs Rs. 6

Rangabhum, 3-34, Manavarthpet, Bangalore City, Kanarese, Monthly, Subs. Rs. 3-8.

Sahitya Parishat Patilika, Bangalore, Kanarese, Monthly, Subscription Rs. 3

Saraswan, Chamarajpet, Bangalore, Kanarese, Monthly. Subs. Rs. 3.

Saraswathi, Mis. R. Kalyanamma, Chamarajpet, Bangalore City, Monthly, Kanarese, Subs Rs. 3.

Tainadu, Bangalore, Kanarese Daily, Cols. 18" X 2-4", 5 to a page, Subs Rs. 12.

Treasure Chest, Basavangudi, Bangalore City, English, Monthly, Subs. Rs. 2.

BANKURA.

Ekata, Luxmi Press, Bankura. (Bengali Monthly).

BARISAL.

Banga Mihir, Barisal, Weekly. Barisal Hitalshil, Barisal. Weekly.

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Balivan, Baroda, Children's Monthly Gujarati, Subs. Rs. 3 Ctr. in Bombay Presidency, Col. 7" X 4 1/2".

Kaumudi, Raopura, Baroda, Gujarati, Monthly, Subs. Rs. 5

Nava Gujarat, Mama's Pole Baroda, Nationalist, Anglo-Gujarati, Subs. Rs. 3, Adv. rate per page Rs. 40, per Col. Rs. 10, per inch Rs. 1 Ctr. in Baroda State & Gujarat, Col. 12" X 2", 4 to a page, every Monday.

Saha Vichar, The Saha Vichar Press, Baroda, Marathi, Monthly, Subs. Rs. 2/-.

Sahitya, Raopura, Baroda, Monthly, Literary, Gujarati, Subs. Rs. 3/8/-, Advt. Rate per page Rs. 6/-, Ctr. Bombay Prey, Cols. 8 X 2 1/2 inches, 2 to a page.

Shaida, Raopura, Baroda, Gujarati, Monthly, Subs. Rs. 6-8, Advt. Rate Rs. 115 per page.

Vyayam, Raopura, Baroda, Maithili, Monthly, Subs. Rs. 2-3

BELGAUM.

Bharat-Mitra N. B. Naik, Dhananjay Press, Khanapur, Dist. Belgaum, Marathi, Monthly, Subs. Rs. 2-3.

Lokamitra, Khanapur, Dt. Belgaum, Marathi, Monthly, Subs. Rs. 2.

BENARES.

Aj, Kabuchaura, Benares Daily, Subs. Rs. 12/- Ctr. in U.P., C.P. and Bihar, Cols. 17" X 2", 5 to a page, Hindi.

Awaza I-Khalk, Anand Bhavan, Sempura, Benares City, Weekly, English, Subs. Rs. 3.

Hans, Benares Cantt, Literary & Cultural, Hindi, Subs. Rs. 6/-, Advt. Rate per page Rs. 25/-.

Circulated in U.P., Bihar, Punjab and Madras, Monthly.

Hindi Kesari, Art Press Bldg., Benares, Weekly, Hindi, Advt. Rate Rs. 1-4 per inch.

Kala, Benares Cantt. Hindi Magazine of Industry.

Mastana, Benares City, Humorous Hindi Weekly.

Suryodaya, Shree Bharat Dharma Mahamandal, Jagatganj, Benares Monthly, Sanskrit, Subs. Rs. 1/-.

BEZWADA.

Bheema Patrika, Bezwada, S. I. Monthly, Telugu, Insurance

Indian Library Journal, Bezwada, English Monthly.

Indian Naturopath, Bezwada, (S. India) English Monthly

Indian Policyholders Review, Deccan House, Bezwada, S. India, Insurance & Banking

English Subs. Rs. 1-8, Ctr. in India, Quarterly.

Prakriti, Prakriti Karyalaya Trust, Bezwada, Telugu Monthly

BHAGALPUR.

Bihar & Orissa Co-operative Journal, Sabour, Dt. Bhagalpur.

Quarterly Eng, Subs. Rs. 3-12, Ganga, Sultanganj, Bhagalpur, Monthly Hindi.

BIJNOR.

Madina, Bijnor, Urdu

BIRBHUM.

Birbhum, Suri, Birbhum, Monthly, Bengali

Birbhum Barta, Suri, Birbhum, Bengali

Brati Balak, Simketan, Bolepur, Monthly, Bengali

Pallumangal, Dubrajpur, Birbhum, Bengali

Visva-Bharati Quarterly, Santi Niketan, Bolepur, Birbhum Dt.

English, Subs. Rs. 8/-, Advt. rate per page Rs. 25/-, 1/2 page Rs. 13/-, Published Feb., May, August and November

BOGRA.

Bagurar Katha, Bogra, Bengali, Tairun, Bogra, Bi-Monthly, Bengali

BOMBAY.

Aruna, Laxmi Narayan Press, 364, Thakurdwar, Bombay 2, Marathi, Monthly, Subs. Rs. 3.

CUP, MEDAL & SHIELD } Mitra Mookherjee & Co., 35, Ashutosh
WHOLESALE & RETAIL } Mukherjee Road, Bhowanipur, Calcutta.

Aryan Path, 51, Esplanade Road, Fort, Bombay. Monthly, Eng. Subs Rs. 6

Ayurveda, Kandewadi, Bombay, Marathi, Monthly, Subs. Re. 1-10.

B B. & C. I. Ry Magazine, Church Gate, Bombay, English Monthly.

Ball Bearing Journal, Skeiko Ball Bearing Co., Ltd., Fort, Bombay.

Bombay Cotton Annual, (1936-37 edition), Cotton Exchange Building, Kalbadevi Road, Bombay 2. English Subs Rs. 2/-, Advt. rate per page Rs. 16/-, cir all over the world, col $3\frac{1}{4}$ " \times $5\frac{1}{2}$ " Yearly. Published at the end of December.

Bombay Chronicle, Parsi Bazar St., Fort, Bombay, Daily & Weekly on Sundays, Independent Nationalist English, Subs. Daily Rs. 20/- Weekly Rs 6/- Cir. Throughout India, especially Western India Col. 20 " \times $2\frac{1}{2}$ ", 7 to a page

Bombay Co-operative Quarterly, Provincial Co-operative Instt. Bombay.

Bombay Diocesan Magazine, St. Thomas's Cathedral, Bombay, Monthly, English

Bombay Law Journal, 121, Meadows St., Fort, Bombay Monthly, English.

Bombay Law Reporter, 2A, Charni Rd, Bombay, Fort-nightly, English

Bombay Samachar, Custom House Rd., Bombay, Vernacular Daily

Bombay Scout, Bombay Provincial Scout Headquarters, Bombay English, Monthly, Subs Rs. 3, Advt per page Rs 150, per Col. Rs. 80, 3th. page Rs 40. Cir. mainly in Bombay Precy.

Bombay Sentinel, Red House, Parsi Bazar Street, Bombay, Subs Local Rs 20, Mofussil Rs 25, Evening daily

Bombay Teachers' Journal, Robert Money School, Bombay 7. Educational, English, Three times in the year, March, July &

November, Subs. Re. 1/9/- including postage, Advt. rate per page Rs. 22.

Business Friend Monthly, Graham's Buildings, Parsi Bazar St., Fort, Bombay.

Bombay Sentinel, Elphinstone Circle, Fort, Bombay, Daily, English

Commerce, Royal Insurance Bldgs., Churchgate Street, Fort, Bombay. Commercial & Financial, Weekly (Saturdays) English Subs Rs 35/- Cols 15 " \times 3 ", 3 to page.

Constructional Indian Hume Pipe News, The Indian Hume Pipe Co. Ltd, Phoenix Building, Ballard Estate, Bombay.

Dnyan Prakash, Sandhurst Road, Girgaon, Bombay (4) and Poona (4). Progressive Marathi daily. Annual Subs. Rs 14 Col. $11\frac{1}{2}$ " \times $16\frac{1}{2}$ ", 7 to a page Cir in CP Maharastra, S. I., & Karnatak.

Engineer, 20, Apollo Street, Fort, Bombay. Monthly, Advt. Rate per page Rs. 12 Subs Rs 8. Examiner, Meadows St., Fort, Bombay. English Weekly.

Financial News, Yusuf Building, 43, Esplanade Road, Fort, Bombay. Moderate English Subs. Inland Rs. 20/- Foreign 42 Advt Rate per page Rs. 74/- per col Rs. 42, Circulated in India, China, Japan, England, Continent, U. S. A., etc Cols. $11\frac{1}{2}$ " \times 4 ", 2 to a page, Weekly, Saturday.

Free Press Journal, Props, Indian National Press (Bombay) Ltd. Bombay 1.

G. I. P. Ry. Magazine, Publicity Office. G. I. P. Ry, Bombay Monthly, English, Subs Rs. 3/- Advt. Rate per page Rs 50/-, Cir. throughout the G I P. Ry. Territory.

Goa Mail, Gurgaum Rd, Bombay Anglo-Vernacular Weekly.

Goan World, P O Box No. 3555, Bombay, Eng., Monthly.

Gujrat, Bank Street, Fort, Bombay Gujarati, Quarterly, Subs Rs. 8.

THE RETAIL TRADE—an exposition of Methods that build up Retail Trade. Industry Book Dept., Shambazar, Calcutta. Price Rs. 1/-

- Gujrati, Sassoon Building, Elphinstone Circle, Fort, Bombay. Political, Religious, etc Subs. Rs. 12, Gujarati, Adv. rate per page Rs 48, per Col Rs 15, per inch Rs 1-8, Cn in Kathiawar Gujarat & U P Col. 12" X 2", 4 to page, Every Sunday Gujarati Kesari, The Gujarati Press, Bombay.
- Gunasundari, 114, Vithalbhai Patel Road, Bombay & Social Reform, Gujarati, Subs. Rs 4-6 Adv. rate per page Rs. 12, per Col. Rs 7, Cn. in India, Burma, Africa, etc Col. 7½" X 2½", 2 to page, Monthly.
- Hindi Graphic, Giant Road, Bombay. Vernacular Weekly.
- Hindusthan & Pijamitra, 21, Dalal Street, Fort, Bombay, Radical Nationalist, Gujarati, Subs Rs. 12, Cn in India & States, Africa, etc Col 20" X 2½", 7 to page, daily except Sunday.
- Illustrated Weekly of India, Times Bldg, Hornby Rd, Fort, Bombay, Weekly, Eng Sub Rs. 22.
- Indian Concrete Journal, Forbes Bldgs, Home St, Bombay, Monthly, English Subs Rs 6/. Page 10" X 7", Advt Rate Rs 125 per page.
- Indian Cricket, 143, Esplanade Rd, Fort, Bombay, Eng Monthly, Ann Subs Rs 5.
- Indian Insurance, Matunga, Bombay 9 Monthly, English
- Indian Journal of Venereal Diseases, 101, Girgaon Road, Bombay & Quarterly Annual Subs Rs 5 Advt. Rate per page Rs 50/-. Page 7½" X 5".
- Indian Literary Review, 210, Hornby Road, Fort, Bombay. Monthly English, Literary, Subs, Rs 3/8/- Advt Rate Rs 75/- per page Col 2½" X 9", 3 to page Cn in India, Burma and Ceylon.
- Indian Market, 412, Lamington Road, Bombay. English, Monthly, price 4 as.
- Indian Motor News, Military Square, Fort, Bombay.
- Indian Social Reformer, Navsari Chambers, Outram Road, Fort, Bombay, Weekly, English.
- Indian Textile Journal, Surya Mahal, Military Square, Fort, Bombay. English, Subs Rs. 12, 11" X 2", 3 to a page Monthly, Pub on 15th day of the month.
- Jame Jamshed, Ballard House, Bombay, Gujarati, Daily, Subs. Rs 32.
- Journal of Indian Economic Society, Ramchand Bhuvan, Girgaon, Bombay.
- Journal of the Indian Merchants' Chamber, Jehangir Wadia Building, Esplanade Rd, Fort, Bombay English & Gujarati Monthly Annual Subs Rs. 4.
- Journal of the Indian Red Cross 20, Talkatora Road, New Delhi. (Winter), Simla (Summer), Bimonthly English on Health Subs Rs 3, Advt Rate Rs 150 per annum Cn in India, Burma and abroad.
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- Khilafat, Jacob Circle, Bombay, Vernacular Daily
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- Manoranjan, Sandhuist Road, Bombay & Monthly, Marathi, Subs Rs 4-8
- Girgaon, Bombay & Monthly, English
- Mauj Majah, Bombay
- Medical Digest, 101, Gurgaum Rd, (Gurgaum Teriace), Bombay &

THE RETAIL TRADE—an exposition of Methods that build up Retail Trade. Industry Book Dept., Shambazar, Calcutta. Price Rs. 1/-.

- Monthly, Eng. Medical Subs Rs. 2-8, Advt. rate Rs. 10 per page of $7\frac{1}{2}'' \times 5''$. Cir. in India, Burma, Ceylon, Malaya & Abroad.
- Model, Cawasji Patel St., Fort, Bombay. Independent Anglo-Vernacular, Subs. Rs. 5, Advt. rate per page Rs. 20, Cir. in India, Monthly.
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- New Indian States Journal, P O. Box No 44, Bombay. English. Weekly.
- O Anglo Lusitano, 15, Bank St., Bombay.
- Paramount Service, Published by Paramount Films of India Ltd., P. O Box 623, Bombay, English Cinema Monthly.
- Prija-Mitha Keshari, (Illustrated), 21, Dalal Str, Fort, Bombay. Radical Nationalist Gujarati, Subs. Rs 5, Cir. in India and States, Adv Rate per inch As -12/-, Col. $15\frac{1}{2}'' \times 2\frac{1}{2}''$, 3 to page, Weekly, Sunday.
- Pratibha, Kudalideshkar Brahmin Nivas, Girgaon, Bombay 4, Marathi, Fortnightly, Subs Re 1/-.
- "Pravinyu," Dongre Bldgs., Lamington Road, Bombay No. 7, Industrial, Commercial, Etc Marathi, Subs Re 1/8/- Advt rate Rs 20/- per page, Rs 2/- per Col, Re 1/- per inch Monthly.
- Property Market, 17, Esplanade Road, Fort, Bombay. English, Fortnightly, Subs Rs 6/-. Cir throughout Bombay Presy. & Indian States.
- Pushpa, The Children's Paper,—Gulistan, Khar—Bombay 21, English Children's monthly Subs. Rs. 2, Advt. Rate Rs. 40 per page, Cir. India, Europe and America. Col. $8'' \times 3''$. 2 to a page
- Radio Talkie & Electric News, 129, Esplanade Road, Fort, Bombay, Annual Subs Rs. 3.
- Railway Times, Commussariat Bldg., Hornby Rd, Fort, Bombay.
- Sanj Vartaman, British Hotel Lane, Apollo Street, Fort, Bombay, Daily, Anglo-Ver.
- Satya Mitra, Bombay. Daily & Weekly.
- Sunday Standard, 532, Sandhurst Road, Bombay Weekly, Sunday Teaching, The Oxford University Press, Nicol Road, Bombay. Quarterly English, Subs. Rs 28
- Theosophical Movement, 51, Esplanade Road, Fort, Bombay English, Monthly Subs. Re 1
- Therapeutic Notes, Parke, Davis & Co, P.O. Box No 88, Bombay. Quarterly, English.
- Times of India, Times Bldg, Hornby Rd, Fort, Bombay Daily, English, Subs Rs 30
- Variety, Post Box 693, Bombay, Trade, Weekly, English. Subs. Rs. 6/-, Advt. Rate per page Rs 20/- Cir all over India, 3 Cols. to a page, Sunday
- Venkateshwai Samachar, 7th Khetwadi, Bombay. Weekly, Hindi, Subs Rs. 2/8/-. Cols $30'' \times 2''$, 8 to page Advt. Rate per in. Re 1/4/-
- Vividh-Gnyan Vistai, 364, Thakurdwar, Bombay 2 Monthly.
- Marathi, Subs Rs 3
- Yoga, Yoga Institute. Post Box 481, Bombay.
- BROACH.**
- Broach Mitra, Broach, Gujarati. Weekly, Subs. Rs 2/-
- BUDAUN.**
- Zimindar Kisan, Budaun Urdu Fortnightly. Agricultural. Subs. Rs. 3. Advt rate Rs 32 per page Col. $3'' \times 7\frac{1}{2}''$. Cir in U.P. and other Provinces
- Zulquarnain, Budaun Weekly. Urdu, Subs Rs 4.

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Bardhaman Bartha, Sir Bejoy Chand Rd, Burdwan, Weekly, Bengalee Subs. Rs. 1/8, Col. 13" X 3", 3 to page, Advt rate per page Rs 16, per Col. Rs 6, per inch As. 8.
Burdwan Bani, Burdwan, Bengali Sri Sri Gamanga Madhuri, Srikhanda, Burdwan.

BURMA.

Aikan News, Kazanchit Road, Akyab, Burma.
British Burma Advertiser, 379, Spark St., Rangoon, Daily, Eng.
Burma Exchange Gazette, 10, Merchant St., Rangoon.
Burma Gazette, Rangoon.
Burma Mechanic Magazine, 49, Suburban Road, Ahlone, Rangoon, Burmese. Adv. rate per page Rs 35, per Col. Rs 20, per inch Rs. 3, Col 10" X 7 1/2" Cir. in Burma, Monthly.
Burma Medical Times, 91, Evanson Street, Kandawglay, P O. Rangoon English, Monthly, Subs. Rs 3, Advt Rate Rs. 20 per page, Rs 12-5 per col, Rs 2-4 per inch Col 5" X 7 1/2", 2 to a page Cir Burma, India, Ceylon, Singapore and U S A
Burma Review, 53-55, Barr Street, Rangoon.
Jolly Mag, 123, 52nd St Rangoon Monthly. Subs Rs 5-6.
Mandalay Magazine, 83, Street, Shanun, Mandalay, Monthly
Naxatra, Merchant Street, Mandalay, Burma.
Rangoon Daily News, 5, Merchant St., Rangoon. (Daily English).
Rangoon Gazette, 379-381, Sparks Street, Rangoon, English, Subs Rs 33, Adv. rate per page Rs 240, per Col Rs 40, per inch Rs 2. Cir. in Burma and Shan States Col 20" X 2 1/2", 6 to page, Daily Except Sundays.
Rangoon Mail, 241-243, 37th St. Rangoon, Nationalist. Tri-weekly, English, Subs Rs 12-8.
Rangoon Times, 486 Merchant St., Rangoon, Independent Moderate, Eng., Subs. Rs 33, Advt. Rate per page Rs 231, per Col. Rs. 33, per inch Re 1/8/, Col.

22" X 2 1/2". 7 to page Daily except Sundays.

Sun, 67, Fraser Street, Rangoon. Daily, Vernacular.

CALCUTTA.

A A B Magazine of Bengal, 48, Galstaun Mansions, Park St., Calcutta Monthly.
Abatar, Sitaram Ghosh Street, Calcutta Weekly, Bengali.
Advance, 74, Dharamtala Street, Calcutta Nationalist English Daily, Yearly subs Town Rs 15, Mofussil Rs. 18, Foreign Rs 40. Advt Rate Rs 350 per page, Rs 50 per Col, Rs 2-8 per inch Page 20" X 2 1/2" of 7 Columns
Agnagati, 20/1, Madan Mitra Lane, Calcutta Bengali weekly, Single Copy 1 anna
Aj-Kal, 124/1, Manicktola Street, Calcutta Weekly, Bengali
Amrita Bazar Patrika, 2, Ananda Chatterji Lane, Calcutta Nationalist, English, Daily, Weekly & Bi-Weekly, Subs Daily Rs 25, Weekly Rs 5 & Bi-Weekly Rs 3, Advt Rate Rs 1-4, per in per insertion, Cir India, Burma & Ceylon, Col 21" X 2 1/2", 7 to a page
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Arohana, 8, Tarak Pramanick Rd., Calcutta Monthly, Bengali, Subs Re 1-8.
Arthik Unnati, 9, Panchanan Ghose Lane, Calcutta Scientific Economic, Bengali, Subs Rs. 4-8, Adv. rate per page Rs. 12, per Col Rs 6, per inch Rs 3 Col 8" X 4", 2 to page, Monthly.
Assam Review, 303, Bowbazar St., Calcutta. English Monthly, Subs Rs 6, Advt Rate per page Rs 135, Cir in Tea districts (Also Assam Directory).
Avatai, 56, Sitaram Ghosh Street, Calcutta Bengali. Weekly.
Azad, 91, Upper Circular Road, Calcutta, Bengali, Daily
Baangla, Baangla Bhawan, 54, South End Park, Ballygunge.

CUP, MEDAL & SHIELD } Mitra Mookherjee & Co, 35, Ashutosh
WHOLESALE & RETAIL } Mukherjee Road, Bhowanipur, Calcutta.

- Calcutta. Nationalist Liberal Bengali Weekly. Yearly Subs. Rs. 2/8/-. Cl. throughout Bengali speaking India. Pages 12" X 2" in 1 Columns Advt. rate per page Rs. 50, per Col. Rs. 12-8, per inch Rs. 2-8.
- Bangalakshmi, 60B, Mizapur St., Calcutta. Monthly Bengali. Ladies' Journal. Subs. Rs. 3/4. Rates of Advt. Rs. 20 per page, Rs. 11 half page, Rs. 6 q. page.
- Bangasari, 90, Lower Circular Rd., Calcutta, Bengali, Monthly.
- Bangabashi, 6, Bhowani Ch. Dutt St., Calcutta. Bengali weekly.
- Bangiya Sahitya Parisad Patilka, 243-1, Upper Circular Rd., Calcutta. Monthly Bengali.
- Banik, 10, Bonfields Lane, Calcutta Bengali Monthly on Agriculture, Trade, Industry, Subs. Re. 1-12, Advt. Rate Rs. 12, per page, Cir. mainly in Bengal.
- Bartmann, 10, Brindaban Basak St., Calcutta. Monthly Bengali.
- Basumati, 166, Bowbazar Street, Calcutta Daily, Weekly and Monthly, Bengali.
- Batayan, 85, Bowbazar Street, Calcutta. Cl. throughout India, Bengali Weekly on Art, Literature & Commerce. Subs. Rs. 2/8/-. Advt. rate per page Rs. 40/- per Col. Rs. 13/8, per inch Re. 1-8, Col. 14" X 9". 3 to a page, every Friday.
- Beema Aur Vaniya, 46, Strand Rd., Calcutta Hindi, Insurance Trade, Monthly.
- Bengal Co-operative Journal. Writers' Bldgs., Calcutta Quarterly, English, Ann. Subs. Rs. 3.
- Bharat Lakshmi, 46, Nimu Goswami Lane, Calcutta. Bengali. Monthly.
- Bharata Mitra, 5, Panchi Dhapani Lane, Cal. Independent Nationalist, Daily, Hindi, Subs. Rs. 12.
- Bharatvarsha, 203-1-1, Cornwallis Street, Calcutta General, Bengalee, Subs. Rs. 6-6, Advt. rate per page Rs. 30, per Col. Rs. 16, Cir. in India, Specially in Bengal, Col. 8½" X 6", 2 to page, Monthly, First day of Bengali month.
- Bichitra, 27-1, Faliapukur St., Calcutta. Monthly, Bengali.
- Bishan, 52/7, Bowbazar Street, Calcutta. Fortnightly, Bengali.
- Biswa-janin, 32/1, Raja Dinendra St., Calcutta, Monthly, Bengali.
- Brahma Vidya, 4/3A, College Sqr., Calcutta. Bengali, Monthly. Dealing with Religion & Philosophy, Subs. Rs. 2/3, Advt. Rate per page Rs. 5.
- Buddhist India, 120, Harrison Rd., Calcutta. Fortnightly. English.
- Byahosha-O-Banijya, 9/3, Ramnath Majumdar Street, Calcutta. Trade, Commerce, Agriculture, Industry and Insurance, Bengalee, Subs. Rs. 5/8, Advt. Rate Rs. 20, per page in advt. section and Rs. 30, in leading matter. Circulated in Bengal, Bihar and Orissa. Col. 7½" X 2½", 2 to a page, Monthly.
- Calcutta Exchange Gazette & Daily Advertiser, 5, Mission Row, Calcutta Daily, English Subs. Local Rs. 24, Moffussil Rs. 45.
- Calcutta Law Journal, 8, Old Post Office St., Calcutta Fortnightly, English Subs. Rs. 10, Advt. Rate Full page Rs. 120, per annum.
- Calcutta Medical Journal, 62, Bowbazar Street, Calcutta. Monthly English Yearly Subs. Rs. 5, Advt. rate per page Rs. 40, Page 7" X 23 cm.
- Calcutta Municipal Gazette, Central Municipal Office, Calcutta Official Organ of the Calcutta Corporation, English, Subs. Rs. 4, Adv. rate per page Rs. 25 to 40, according to position, Cir. in India, England & America, Col. 11" X 3", 2 to page, Weekly.
- Calcutta Review, Calcutta University, Senate House, Calcutta. Academic, English, Subs. Rs. 12, Adv. rate Rs. 20 per page, Monthly.
- Calcutta Stock Exchange Official Year Book, Organ of Calcutta Stock Exchange Association Ltd., 7, Lyons Range, Calcutta Subs. Rs. 10/- per copy.

Calcutta Weekly Notes, 3, Hastings St., Calcutta. Weekly, English.

Capital, 1, Commercial Bldgs., P. B. No. 14, Calcutta Independent Commercial & Financial English weekly. Yeally subs. Rs 54/-. Circulated all over India, and in most foreign countries. 15" X 3½" in 3 columns.

Chikitsa Chamatkar, 14, Madan Mohan Chatterjee Lane, Cal. Monthly.

Chikitsa-Jagat, 27C, Upper Circular Road, Calcutta. Medical, Bengali Cum English, Subs. Rs. 3-6, Adv rate per page Rs 20, per Col. Rs. 12, Cir. in Bengal, Bihar, Orissa & Assam, Col. 6" X 3", 2 to page, Monthly.

Chikitsa Prokash, 197, Bowbazar St., Calcutta. Bengali, Medical, Subs Rs. 3, Adv rate per page Rs. 14, Cir. in India. 2nd week of every month.

Cinema Sansar, 26-27, Chittaranjan Avenue North, Calcutta.

Comrade, 249, Bow Bazar Street, Cal. Weekly, Subs. Rs. 5.

Commercial Age, Isa House, P 254, Rash Behari Avenue, Calcutta Bi-monthly English. Business Training. Subs Rs 3-8, Advt Rate per page Rs. 10, Half page Rs 5-8, ½th page Rs 3, Cir. all over India

Commercial Education Isa House, P.254, Rash Behari Avenue, Calcutta Subs Rs 3/-

Commercial Gazette, 2, Royal Exchange Place, Calcutta Weekly, English, Subs Rs 15

Current Law Digest, 6, Old Post Office St., Calcutta. Subs Rs 5

Desh, 1, Burman St., Calcutta. Bengali Weekly. Pub every Saturday Subs Indian Rs 5, Foreign Rs. 10, Advt. rate per Column inch Rs 3, Cir in India among Bengalees speaking population. Column 9½" X 3½", 2 to page.

Dipali, 123/1, Upper Circular Road, Calcutta English & Bengali, Weekly, Subs Rs 4, Avt

rate per page Rs 60, per Col. Rs 25, per inch Rs. 2, Col 2½" X 9", 3 Cols in a page, Bengali Every Thursday; English Every Friday

Dundubhi, 6, Raj Krishna Lane, Beadon Street P. O., Calcutta Bengali Weekly

E B Ry Labour Review, 133, Lower Circular Road, Calcutta. Monthly, English, Subs. Re 1

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